Air Force

ORIGINAL

GUIDE to the EVALUATION of EDUCATIONAL EXPERIENCES in the ARMED SERVICES

American Council on Education • One Dupont Circle • Washington, D.C. 20036

Awarding Credit For Extrainstitutional Learning

The following statement by the ACE Commission on Educational Credit and Credentials has been approved by the ACE Board of Directors and endorsed by the Council on Postsecondary Accreditation.

The American Council on Education recommends that postsecondary education institutions develop policies and procedures for measuring and awarding credit for learning attained outside their sponsorship.[1]

American society abounds in resources for learning at the postsecondary level. Public, private, and proprietary education institutions exercise the central but not exclusive responsibility for instruction and learning. Associations, business, government, industry, the military, and unions sponsor formal instruction. In addition, independent study and reading, work experiences, the mass media, and social interaction contribute to learning and competency.

Full and effective use of all educational resources is a worthy educational and social goal. Achieving this goal will depend to a large extent on providing equitable recognition for extrainstitutional learning.

- Educational credentials have a significant bearing on the economic, professional, and social status of the individual. Thus, social equity requires that equivalent learning, regardless of where and how it is achieved, be incorporated into the system of rewards for learning and competency.
- Recognition encourages learning and contributes to pedagogical effectiveness. Teaching students what they already know is both stultifying to them and wasteful of educational and personal resources.

Postsecondary education institutions legally authorized and accredited to award degrees and other educational credentials have a special responsibility to assess extrainstitutional learning as part of their credentialing function.

In the development of institutional policies and procedures, the American Council on Education recommends the following guidelines and resources.

Guidelines

1.

Reliable and valid evaluation of student achievement is the sine qua non in awarding credit. Experience, whether acquired at work, in social settings, in the library, at home, or in the formal classroom, is in itself an inadequate basis for awarding credit. Increased attention in choosing evaluation procedures and techniques and more thorough evaluation are necessary when learning has been attained without participation in a program of study prescribed by an educational institution and offered by its faculty.

2.

In determining whether it is appropriate to accept a student's extrainstitutional learning for credit, the governing considerations should be its applicability to the student's program of study, including graduation requirements, and the relationship of the learning to the institution's mission, curricula and standards for student achievement. Learning should be articulated, documented and measured in these terms.

3.

Institutions should evaluate extrainstitutional learning only in subject-matter fields in which they have or can arrange for faculty expertise or where they can rely on nationally validated examinations or other procedures for establishing credit equivalencies. Institutions should award credit in these areas only if the quality of learning meets their standards for student achievement. Normally, institutions should evaluate learning and award credit only in subject fields in which they offer courses or curricula. However, if the acquisition of college level learning outcomes has been demonstrated in an area not taught by the institution, but related to the student's program of study, an exception may and ought to be made.

4.

Institutions awarding credit for extrainstitutional learning should develop clearly stated policies regarding administrative responsibility, student eligibility, means of assessment, recording of results on transcripts, storage of documentation, student fees, and maximum number of credits allowable. Information on these and related institutional policies and procedures should be disseminated to students and faculty for maximum awareness and utilization.

5.

Institutional policy should include provision that the institution's policies and procedures for awarding credit for extrainstitutional learning should be subject to periodic reevaluation.

Resources

1.

Guide to the Evaluation of Educational Experiences in the Armed Services, published by the American Council on Education and available from Macmillan Publishing Company.

2.

The National Guide to Educational Credit for Training Programs, published by the American Council on Education and available from Macmillan Publishing Company.

3.

Credentialing Educational Accomplishment, edited by Jerry W. Miller and Olive Mills, published by the American Council on Education and available from Macmillan Publishing Company.

4.

Guide to Educational Credit by Examination, published by the American Council on Education and available from Macmillan Publishing Company.

5.

Publications of the Council for Adult and Experiential Learning (formerly Cooperative Assessment of Experiential Learning), 10840 Little Patuxent Parkway, Suite 203, Columbia, Maryland 21044.

---

[1] "Extrainstitutional learning" is defined as learning that is attained outside the sponsorship of legally authorized and accredited postsecondary educational institutions. The term applies to learning acquired from work and life experiences, independent reading and study, the mass media, and participation in formal courses sponsored by associations, business, government, industry, the military, and unions.

BEST COPY AVAILABLE

1 Air Force

The 1986 GUIDE to the EVALUATION of EDUCATIONAL EXPERIENCES in the ARMED SERVICES

D1.6/2 :A1 8
D1 6/2-3:

AMERICAN COUNCIL ON EDUCATION One Dupont Circle • Washington, D. C. 20036-1193

I

BEST COPY AVAILABLE

PRODUCTION STAFF FOR THE 1986 GUIDE

Military Evaluations Program

Eugene Sullivan, Associate Director, Office on Educational Credit and Credentials
Judith Cangialosi, Senior Program Associate
Teresa M. LaRocco, Senior Program Associate
Penelope West Suritz, Senior Program Associate
Gwendolyn L. Dozier, Administrative Secretary
Barbara Jean Anderson, Program Secretary

The material in the 1986 edition of the *Guide to the Evaluation of Educational Experiences in the Armed Services* is not copyrighted.

Additional copies of the *Guide* are available from the Macmillan Publishing Company, Inc., Front and Brown Streets, Riverside, NJ 08075.

The work reported or presented herein was performed pursuant to a contract with the Defense Activity for Non-Traditional Education Support (DANTES) on behalf of the Department of Defense (Contract #N00612-85-C-8001). However, the opinions expressed herein do not necessarily reflect the position or policy of the U.S. Department of Defense, and no official endorsement by the U.S. Department of Defense should be inferred.

Library of Congress Cataloging in Publication Data:
American Council on Education.
Guide to the evaluation of educational experiences in the armed services.
ISBN 897510-3

BEST COPY AVAILABLE

Contents

Foreword, by Robert H. Atwell vii

How to Find and Use Course Exhibits ix

Sample Course Exhibit xi

Questions and Answers xiii

Transfer and Award of Credit xix

Course Exhibits 1-1

DANTES Subject Standardized Tests ..... 2-1 - 122

Appendix: The Evaluation Systems ..... A-1 - 127

Keyword Index ..... K-1 - 130

Course Number Index ..... N-1 - 171

Request for Course Recommendation ..... O-1 - 178

BEST COPY AVAILABLE

American Council on Education

Board of Directors

1985–86

EXECUTIVE COMMITTEE

Chair
Philip H. Jordan, Jr., President
Kenyon College
Gambier, OH 43022
(614) 427-2244

Vice Chair
Frank H.T. Rhodes, President
Cornell University
Ithaca, NY 14853-2801
(607) 256-5201

Immediate Past Chair
Ronald W. Roskens, President
University of Nebraska
Lincoln, NE 68583-0745
(402) 472-2111

Secretary
Joyce S. Tsunoda
Chancellor for Community Colleges
University of Hawaii
2327 Dole Street
Honolulu, HI 96822
(808) 948-7313

President
Robert H. Atwell
American Council on Education
One Dupont Circle
Washington, DC 20036
(202) 939-9310

Stelle Feuers, President
Los Angeles City College
(see Class of 1986)

Janet D. Greenwood, President
Longwood College
(see Class of 1987)

Edward T. Foote II, President
University of Miami
(see Class of 1988)

Elected Officers of Associations—Ex Officio for up to three-year terms:

AACJC
Judith S. Eaton, President
Community College of Philadelphia
17th and Spring Garden Streets
Philadelphia, PA 19130
(215) 751-8025

AASCU
Stephen Horn, President
California State University, Long Beach
Long Beach, CA 90840
(213) 484-8202

AAC
Carol J. Guardo, President
Rhode Island College
Providence, RI 02908
(401) 456-8100

AAU
John S. Toll, President
University of Maryland
Central Administration at Adelphi
Adelphi, MD 20783
(301) 853-3601

ACCU
Brother Patrick Ellis, FSC
President
La Salle University
Olney Avenue and 20th Street
Philadelphia, PA 19141
(215) 951-1000

AJCU
The Rev. Michael G. Morrison, S.J.
President
Creighton University
2500 California Street
Omaha, NE 68178
(402) 280-2770

CIC
Robert V. Cramer, President
Carroll College
Waukesha, WI 53186
(414) 547-1211

NAFEO
Luna I. Mishoe, President
Delaware State College
Dover, DE 19901
(302) 736-4901

NAICU
Joab M. Lesesne, Jr., President
Wofford College
Spartanburg, SC 29301
(803) 585-4821

NASULGC
John W. Ryan, President
Indiana University System
Bloomington, IN 47405
(812) 335-7922

Elected Officers of Associations—Ex Officio for one-year term:

ACHA
Margaret W. Bridwell, M.D.
Director of the Health Center
University of Maryland
College Park, MD 20742
(301) 454-4928

COPA
Ellis E. McCune, President
California State University, Hayward
Hayward, CA 94542
(415) 881-3877

MLA
Theodore Ziolkowski, Dean
The Graduate School
Princeton University
205 Nassau Hall, P.O. Box 255
Princeton, NJ 08540
(609) 452-4141

BEST COPY AVAILABLE

Class of 1986

Alfredo G. de los Santos, Jr.
Vice Chancellor for Educational Development
Maricopa Community Colleges
3910 East Washington Street
Phoenix, AZ 85034
(602) 267-4307

Harold W. Eickhoff
President
Trenton State College
Trenton, NJ 08625
(609) 771-2101

Stelle Feuers
President
Los Angeles City College
855 N. Vermont Avenue
Los Angeles, CA 90029
(213) 669-4201

Stanley O. Ikenberry
President
University of Illinois
364 Administration Building
506 South Wright Street
Urbana, IL 61801
(217) 333-3070

Eamon M. Kelly
President
Tulane University
New Orleans, LA 70118
(504) 865-5201

Betty Lentz Siegel
President
Kennesaw College
Marietta, GA 30061
(404) 429-2733

Class of 1987

Roscoe C. Brown, Jr., President
Bronx Community College
City University of New York
University Avenue and 181st Street
Bronx, NY 10453
(212) 220-6920

William M. Fulkerson, Jr.
President
Adams State College
Alamosa, CO 81102
(303) 589-7341

Janet D. Greenwood
President
Longwood College
Farmville, VA 23901
(804) 392-9211

William J. Maxwell
President
Jersey City State College
Jersey City, NJ 07305
(201) 432-6586

Patsy H. Sampson
President
Stephens College
Columbia, MO 65215
(314) 442-2211

James J. Whalen
President
Ithaca College
Ithaca, NY 14850
(607) 274-3111

Class of 1988

Robert L. Albright, President
Johnson C. Smith University
Charlotte, NC 28216
(704) 378-1233

David W. Breneman, President
Kalamazoo College
Kalamazoo, MI 49007
(616) 383-3411

Edward T. Foote II, President
University of Miami
P.O. Box 248006
Coral Gables, FL 33124
(305) 284-5155

William P. Gerberding, President
University of Washington
Seattle, WA 98195
(206) 543-5010

Bruce E. Whitaker, President
Chowan College
Murfreesboro, NC 27855
(919) 398-4101

Brunetta R. Wolfman, President
Roxbury Community College
625 Huntington Avenue
Boston, MA 02115
(617) 734-1960

BEST COPY AVAILABLE

COMMISSION ON EDUCATIONAL CREDIT AND CREDENTIALS
of the American Council on Education

MEMBERS

Terms ending December 31, 1986: Richard M. Millard, President, Council on Postsecondary Accreditation; Judith E. Safranko, Coordinator, University of the State of New York Regents College Degrees; Joyce A. Scott, Executive Vice President for Academic Affairs and Dean of Faculties, Wichita State University; Howard Sparks, Vice Provost for Continuing Studies and Public Service, Virginia Commonwealth University

Terms ending December 31, 1987: Sam H. Ingram, President, Middle Tennessee State University; Constantine W. Curris, President, University of Northern Iowa; Walter Lypka, Director, Craft, Technical, and Occupational Safety and Health Training, Graphic Communications International Union; Constance Odems, Vice President for Professional Services American Association of Community and Junior Colleges

Terms ending December 31, 1988: Richard I. Doolittle, Executive Vice President, Graduate School of Banking; Verne A. Duncan, State Superintendent of Public Instruction, State of Oregon; Frederick C. Kintzer, Professor, University of California, Los Angeles; Jules LaPidus, President, Council of Graduate Schools in the United States; T. Benjamin Massey, Chancellor, University of Maryland, University College; Scott C. Thomson, Executive Director, National Association of Secondary School Principals; Cynthia Tyson, President, Mary Baldwin College

Terms ending December 31, 1989: Emily Hannah, Vice Chancellor for Academic Affairs, Pennsylvania State System for Higher Education; David Reyes-Guerra, Executive Director, Accreditation Board for Engineering and Technology, Inc.; Marilyn Schlack, President, Kalamazoo Valley Community College; Bruce T. Shutt, Associate Vice President for Student Affairs and Registrar, University of Georgia; Yvonne Walker-Taylor, President, Wilberforce University

Ex-officio: Robert H. Atwell, President, American Council on Education

STAFF OFFICER

Henry A. Spille, Director, Office on Educational Credit and Credentials, American Council on Education

BEST COPY AVAILABLE

Foreword

For over forty years, the *Guide to the Evaluation of Educational Experiences in the Armed Services* has been the standard reference work for recognizing learning acquired in military life. ACE has worked cooperatively with the Department of Defense and the armed services in assisting hundreds of thousands of service men and women to achieve recognition for their learning. The long-term success of the *Guide* evaluation system for military training has resulted in its serving as a model for the evaluation of programs offered by other noncollegiate organizations, including business, industry, government agencies, voluntary and professional associations, and labor unions. These formalized efforts to evaluate noncollegiate-sponsored programs enable students to combine their extrainstitutional learning with study at postsecondary institutions to achieve degree-related educational objectives. Not only is this sound educational practice, it is also an efficient use of educational resources and an incentive for the persons affected to undertake further study.

Special recognition must be paid to hundreds of individuals who have served as evaluators and the many educational institutions, professional and disciplinary associations, and the apprenticeship training community for their wholehearted cooperation in this endeavor. Without their support and assistance, the *Guide* would not have been possible. We are greatly indebted to them.

Once again, we are pleased to commend this work to you in your continuing work with service men and women and veterans.

ROBERT H. ATWELL
President
American Council on Education

BEST COPY AVAILABLE

BLANK PAGE

How to Find and Use Course Exhibits

This volume contains recommendations for formal courses offered by the Air Force and the Department of Defense.

The instructions that follow provide a step-by-step procedure for finding and using the exhibits and recommendations. Readers unfamiliar with the ACE evaluation procedures should read the Appendix. Additional information on using the *Guide* and awarding credit is provided in the Questions and Answers section.

Step 1

Have the applicant complete a Request for Course Recommendation form.

A Request for Course Recommendation form appears at the back of this volume. It may be reproduced and should always be filled out by the applicant, using the information provided on official and personal records, as well as the applicant's own knowledge of the service course. *Applicants should not refer to the* Guide *while completing the form.* (See questions 4 through 8 in Questions and Answers.)

Step 2

Verify course completion from military records.

It is the responsibility of the school official to verify course completion. The following military records are normally used to verify successful completion of course requirements:

1. DD Form 295, Application for the Evaluation of Educational Experiences During Military Service or Application for the Evaluation of Learning Experiences During Military Service—available to active-duty service personnel from military education officers. (Form must be certified by an authorized commissioned officer or his/her designee in order to be official.)
2. DD Form 214, Armed Forces of the United States Report of Transfer or Discharge—available to veterans, together with other in-service training records from the General Services Administration, National Personnel Record Center (Military Personnel Records), 9700 Page Boulevard, St. Louis, Missouri 63132.
3. Course Completion Certificates—may be used to complement other records or when service courses are not recorded on official records.

(See questions 1, 3, 10, and 20 in Questions and Answers.)

The following steps refer to a course exhibit. See sample course exhibit, page xi.

Step 3

Find the course exhibit by identifying the Office on Educational Credit and Credentials (OECC) ID number in the Course Number Index or the Keyword Index.

A. *Course Number Index.* All available military course numbers are listed in the Course Number Index in alphanumeric sequence. If the applicant's military course number cannot be located in the Course Number Index, search for the course title in the Keyword Index.

B. *Keyword Index.* Identify all possible keywords within a formal course title. For example, the keywords in the title "Ground Radio Communications Equipment Technician" are *Ground, Radio, Communications,* and *Equipment.* Find one or all of those keywords in the Keyword Index and search the listing under the keyword for the course title. *If the title cannot be found under one keyword, search all other possible keywords.*

C. *Identify OECC ID number.* When the title or military course number has been located, note the corresponding OECC ID number. This number refers to the course exhibit's location in the *Guide.* The two-letter prefix refers to the section of the Course Exhibits chapter, i.e., AF=Air Force section and DD=Department of Defense section. Within each section, OECC ID numbers are presented in numeric sequence. (See question 2 in Questions and Answers.)

Step 4

Match the course-identifying information with the corresponding data in the course exhibit.

Course-identifying information includes the official military title, military course number, length of

BEST COPY AVAILABLE

course, dates of attendance, location, etc., and is provided by the applicant on the Request for Course Recommendation form. When the course exhibit consists of multiple versions, determine which version applies to the applicant's course by considering exhibit dates and course length. (See questions 5, 7, 8, and 12 in Questions and Answers.) It is important to match all items.

Step 5

Read the course objectives and description.

Consideration should be given not only to the amount of credit and to the subject area, but also to the course objectives and description which are part of the course exhibit. These portions of the exhibit outline the course content and scope and also provide essential information about the nature of the course. (See question 9 in Questions and Answers.) This information will help you determine the appropriate placement of credit for each individual student within the requirements and programs at your school.

Step 6

Award credit, as appropriate.

Users are free to modify the credit recommendations in accordance with institutional policy and the educational goals of each individual applicant. (See questions 11 and 14–18 in Questions and Answers.)

Step 7

When assistance is required, contact the Office on Educational Credit and Credentials.

Whenever problems arise and assistance is desired, you may submit a properly completed Request for Course Recommendation form (questions 5, 6, 7, and 8) to the

Office on Educational Credit and Credentials
American Council on Education
One Dupont Circle
Washington, DC 20036–1193
ATTN: Military Evaluations
(202) 939–9470

BEST COPY AVAILABLE

Sample Course Exhibit

ID Number. A number assigned by OECC to identify each course.

AF-1728-0009

Course Version Numbers and Titles.

LAW ENFORCEMENT SPECIALIST BY CORRESPONDENCE

Military Course Number. The number assigned to the course by the military.

Course Number: 81152.

Location: Extension Course Institute, Gunter AFB, AL.

Location. The service school, military installation, state.

Length. The length of the course in weeks.

Length: Maximum 52 weeks.

Exhibit Dates. The start and end dates, by month and year. When course was first evaluated and when, if applicable, it was eliminated. "Present" denotes publication cut-off for this edition of the *Guide* (6/86).

Exhibit Dates: 7/82-Present.

Objectives: To provide basic education and training for an entry-level law enforcement officer.

Objectives. The purpose for which the course was designed.

Instruction. Description of instruction, including teaching methods, facilities, equipment, major subject areas covered.

Instruction: This correspondence course of instruction consists of on-the-job supervision and at-home studies. The home study provides the basic knowledge of law enforcement functions and the on-job supervision provides training to reinforce the home studies as well as provides for special requirements at the installation. The course contains arrest, search, and interrogation procedures; procuring statements from witnesses and suspects; basic rules of evidence; crime scene searches; note taking; collection of evidence; confrontation management; elementary corrections (custodial) procedures; accident, disaster, and incident scene investigations. Course has proctered final examination.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in law enforcement, police science, or practicum in either of these categories (7/84).

Credit Recommendation. Given in four categories: vocational certificate, lower-division baccalaureate/associate degree, upper-division baccalaureate, and graduate degree. Expressed in semester hours. (See Appendix for detailed explanation of credit categories.)

Evaluation Date. Date when the credit recommendation was established. Month and year are given in parentheses following each recommendation.

***Important:** The appropriate course version, if applicable, can be found by using the course title and number, its length, exhibit dates, and location.*

BEST COPY AVAILABLE

BLANK PAGE

Questions and Answers

This section is designed to answer questions that may arise about using the Guide *and awarding credit.*

1

An applicant at my institution has submitted a DD Form 214 that lists abbreviated course titles which I cannot decipher. The form does not contain enough information for me to find the courses in the *Guide*. What should I do? Military records often provide insufficient information for education officials to properly identify courses. For that reason, the Office on Educational Credit and Credentials (OECC) has designed the Request for Course Recommendation form, which can be used to supplement records. It is recommended that you automatically require students to complete the Request for Course Recommendation form. Then, if you need help, authorize the form and submit it to OECC. The applicant for credit should be responsible for interpreting the information on his or her records and presenting the data in readable form. No abbreviations please. You may also use course completion certificates and other training records to verify entries on the DD Forms 214 and 295.

2

When an applicant brings in information on a number of courses completed, I can usually find exhibits for only some of the courses in the *Guide*. Am I doing something wrong? The course evaluations done by the Office on Educational Credit and Credentials probably represent about 50 percent of the total number of courses offered by the armed services. The remaining 50 percent cannot be evaluated for one reason or another. In general, courses evaluated and published in the *Guide* are those offered on a full-time basis. After 1981 OECC began limited evaluation of courses that are 45 academic hours in length. Prior to that time, courses evaluated were at least of two weeks' duration; or, if less than two weeks in length, the courses had to include a minimum total of sixty contact hours of academic instruction. (Before 1973 the minimum length requirement was three weeks or 90 contact hours.) Another requirement for evaluation is that a course be formal as defined by the services, i.e., offered to meet servicewide training requirements and cited in the formal schools listing. This requirement generally excludes locally organized and command-level training programs, as well as courses offered on a one-time basis.

Very few correspondence courses are listed in the *Guide* because such programs were not evaluated until the mid-1970s. In 1983 OECC began the evaluation of the Air Force Extension Course Institute (ECI) and continues to evaluate these programs. These courses will be listed in the Keyword Index under "Correspondence" for easy identification. One criterion for reviewing correspondence courses is the establishment of an ongoing proctored end-of-course examination program.

You will find no courses conducted prior to 1954 listed in this guide. You must always submit a Request for Course Recommendation form to this office for assistance with courses taken from the 1940s up until 1954. When in doubt about the availability of an evaluation for any service course, contact the OECC Information Service by telephone or by submitting a Request for Course Recommendation form.

You will also find that many Air Force courses included in previous editions of the *Guide* are no longer listed. These are lower-division courses now transcripted by the Community College of the Air Force, accredited by the Southern Association's Commission on Colleges, which grants an Associate in Applied Science degree.

Keep in mind that the *Guide* is constantly being updated. New courses evaluated after the publication date may be obtained by submitting a Request for Course Recommendation form.

3

I understand many military records were destroyed in a fire at the General Services Administration a number of years ago. What should I do if the applicant's military records were among those destroyed? Many records were reclaimed or reconstructed and are now available. In addition, the applicant's copies of certificates may be used in lieu of records destroyed in the GSA fire.

4

May I submit a Request for Course Recommendation form that the student has filled out with information from the *Guide*? A form filled out by a student who

BEST COPY AVAILABLE

copies information from the *Guide* cannot be used by the OECC Advisory Service staff for research purposes because that information only duplicates published data. One of the purposes of the Request for Course Recommendation form is to secure information about a course from the student, ideally through official records, but also from his or her personal knowledge or memory of the course. With this first-hand information, you may find the correct course exhibit in the *Guide*. If you cannot find it, you may send the request form to the OECC Advisory Service.

The OECC staff can then use this additional information to search its extensive files for matching information. When students attempt to identify a course taken years ago by extracting *current* titles and/or course numbers from the *Guide*, they may be identifying a *similar* course but not the one they took. Therefore, a form filled out with material copied from the *Guide* can be misleading and can seriously handicap the OECC research staff. Only accurate and verified information is to be submitted.

5

Who should send in the Request for Course Recommendation form? The form should be completed by the applicant and authorized by you, the institution official or military representative. Credit recommendations will be forwarded to you only when you authorize us to do so. While we do provide credit recommendations to applicants upon receipt of their requests, we encourage them to apply through their schools. We do not normally send a credit recommendation to a college at the request of a student applicant or a military counselor.

6

Why is so much information needed on the Request for Course Recommendation form? You cannot be sure that you have identified the correct exhibit in the *Guide* unless all the information on the form matches the corresponding items in the course exhibit. The course title, course number, name and location of the service school, and length of the course shown on the form should be identical to the information in the exhibit. In addition, the dates of attendance must fall within the exhibit dates. OECC credit recommendations are for *specific* courses; therefore, all items must be identical if a positive identification is to be made.

A complete and accurate form will also help the OECC Advisory Service research the course.

7

What do I do when the information on the Request for Course Recommendation form does not exactly match the information in the course exhibit? Send an authorized form to the OECC Advisory Service. Send the form in yourself; do not give it to the student to submit. If just one item differs from that in the exhibit you have located (for example, "Length"), you should circle the item to bring it to the attention of the research staff. Send *copies* of military records only if you think they will provide useful additional information. Even if OECC cannot identify the course and supply a credit recommendation, you may still grant credit to the applicant by conducting your own assessment of the applicant's learning. (See question 18 for information about assessment techniques.)

8

How long does it take to receive a response if I submit a properly completed request form? About three weeks for most requests, longer for those requiring extensive research. Every effort will be made to respond as quickly as possible. If you wish, you may call in requests, but if research is involved, OECC will ask you to send a written request. If you are calling in, be sure to have all pertinent information (see question 6) available to give to the OECC staff person.

9

How can I get additional information about the courses in the *Guide*? Sometimes the descriptive material in the exhibit is not detailed enough for me to make a decision about granting credit. What do I do then? With the exception of a few computer-taught or classified courses, OECC has on file the programs of instruction for most courses listed in the *Guide*. When necessary, OECC can provide the topic outline from the military syllabus; and when an entire program of instruction is needed, arrangements can be made to photocopy the complete syllabus. Please note that the credit recommendations are based on more information than that cited in the syllabus.

10

What are USAFI and DANTES? Can I grant credit for the courses and tests listed on an applicant's USAFI or DANTES military test reports? USAFI was the United States Armed Forces Institute, which offered an extensive educational program to active-duty personnel. USAFI correspondence, seminar, and self-study courses, end-of-course tests, and Subject Standardized Tests (SST's) were made available to service

BEST COPY AVAILABLE

personnel worldwide until 1974, when USAFI was disestablished. Subsequently, the Defense Activity for Non-Traditional Education Support (DANTES) was established in 1974, and that agency continued the development and administration of Subject Standardized Tests and other educational services. OECC continues to recommend credit for USAFI offerings and DANTES SST's. Credit recommendations for DANTES SST's are found in the section that begins on page 2-1 and with detailed descriptions in the *Guide to Credit by Examination*, which can be purchased through Macmillan Publishing Company, Inc., Front and Brown Streets, Riverside, NJ 08075.

In verifying completion of USAFI or DANTES courses or tests, the military test report should not be considered official. That report is given to all service personnel who have taken a course or test. To obtain official USAFI or DANTES transcripts, refer to the addresses provided in the Appendix, under "Other Recommendations."

11

What is the significance of the date which appears after each credit recommendation? That date is called the "evaluation date" and represents the month and year the credit recommendation was established. The date is provided purely for your information; do not confuse the date with exhibit dates. Each time a course is evaluated, a date is provided to indicate when the course was last considered for a credit equivalency. The date tells you how recently a recommendation was established so that you can judge the currency of the credit recommended. This information is particularly useful in subject areas where "state of the art" is important in determining the applicability of credit. You can also use the evaluation date when your institution has established a "statute of limitations" for acceptance of transfer credit.

12

An applicant completed a course in 1971, but the *Guide* exhibit dates are 5/72 to 12/73. Should I grant credit based on the *Guide*? The exhibit dates shown in the *Guide* indicate the time period for which OECC has information on the course. The course may have been offered for several years prior to the exhibit "start" date, but since the service branch did not submit information on the course during that time period, OECC is not able to backdate the exhibit to cover it. If you can be reasonably sure, from other information provided by the applicant (length, course content description), that their course was the same or similar to the course listed in the *Guide*, then you may want to grant credit based on the *Guide* recommendation. If the applicant's course was a number of weeks longer or shorter than the one covered in the *Guide* exhibit, you may be able to grant credit based on a comparison of the applicant's information with the descriptive information in the *Guide*. OECC encourages you to conduct your own assessment of courses for which no credit recommendation is available. (See question 18 for information about assessment techniques.) OECC staff may be able to provide you with military formal school catalog course descriptions for periods of time outside the exhibit dates. This should help you determine whether you might apply the credit listed in the *Guide* exhibit based on your own comparison.

13

Several courses that I've looked up have an end-date of 12/73, but the student took them in 1976. Why do so many Air Force courses carry an end-date of 12/73? The courses that are end-dated are part of the Community College of the Air Force (CCAF). OECC has no direct knowledge of the content of the courses beyond December 1973. Accredited by the Southern Association's Commission on Colleges, CCAF grants an Associate in Applied Science degree. Lower-division credit recommendations are no longer listed for those courses. However, you may grant the upper-division credit if the student took the course within the exhibit dates.

Anyone attending an Air Force school or course can obtain a Community College of the Air Force (CCAF) transcript which documents that training if the school or course is recognized by CCAF for credit. The transcript may be used to request transfer of credit to another institution or otherwise document college credit, since non-Air Force personnel cannot enroll in CCAF. CCAF does not award credit for all Air Force courses, but only those regularly attended by Air Force enlisted personnel and taught by CCAF-affiliated schools.

A CCAF transcript may be obtained by sending a completed AF Form 2099 or a brief letter requesting transcript service to CCAF/RRRC, Maxwell Air Force Base, AL 36112-6655. AF Form 1256 (Course Completion Certificate) must accompany the request. Specify the type of transcript (personal or official) and the address to which the transcript is to be mailed. Provide full name, social security number, and ensure that the person whose transcript is requested signs the request form. The transcripts are free.

14

I have looked up several courses for one applicant. It appears that a lot of the recommended credit is in the same subject area. How can I avoid granting too much

BEST COPY AVAILABLE

or duplicate credit to this person? You may grant credit for any combination of learning experiences. In doing so, however, you must be alert to the possibility of overlapping credit recommendations. When the person is applying for credit for more than one learning experience, the recommendations might cover some of the same learning. In such cases, awarding a simple total of the recommended credits could result in the award of more credit than the learning merits.

Course recommendations will overlap when the individual has participated in several military courses in the same subject area and at the same level. To identify overlapping course recommendations, carefully review the instructional description for each course the applicant completed.

15

When credit is recommended in more than one category, what should I do? Credit has frequently been recommended in more than one category. One reason for multiple-category recommendations is that the scope of a given course reflects learning in several subject fields at different levels of complexity. The learning acquired in a course in one subject field may apply to courses normally included in lower-division baccalaureate/associate degree programs, while those in another subject field may apply to courses normally included in upper-division baccalaureate programs. Another reason for multiple-category recommendations is that learning in a given subject field can be applied to courses and programs of study encompassed by more than one of the categories. That is, learning in electronics, for example, may apply to the vocational certificate category and to the lower-division baccalaureate category. A thorough reading of the exhibit will help you to determine which category is the best for you to apply. You will need to read the exhibit and compare course objectives and content with those of your own institution.

In the first instance—learning in several subject fields—the recommended credits may be added as long as all the subjects are applicable to the student's program of study at your institution.

Example A:
In the lower-division baccalaureate/associate degree category, 1 semester hour in communication skills and 1 in principles of management. In the upper-division baccalaureate category, 3 semester hours in personnel management (6/75).

In Example A, up to 5 semester hours may be awarded if they apply to the student's program: 1 in communication skills, 1 in principles of management, and 3 in personnel management.

In the second instance—learning in a given subject field that is applied to two or more categories—the recommended credits probably should not be added. You will have to determine how they apply to the student's program of study at your institution.

Example B:
In the lower-division baccalaureate/associate degree category, 10 semester hours in electricity or electronics. In the upper-division baccalaureate category, 5 semester hours in electricity or electronics.

In Example B, to determine how many credits to award, compare the information in the exhibit description with the desired outcomes of electricity or electronics or related courses and programs of study at your institution. Award credit based on comparison of these outcomes.

While courses evaluated in the 1970s may carry this type of credit recommendation, courses evaluated more recently will not. When evaluating courses, evaluators place the credit in a given subject area in the highest, most appropriate, category. If credit is placed in more than one category, specific subjects will be cited. For example, if credit in the lower division is in basic electricity, credit in the upper division might be in advanced electronics.

As a general rule, you should read the course description and then award credit as it best applies to the student's program of study, as determined through academic counseling.

Credit may be applied to a student's program in various ways: (1) applied to the major to replace a required course, (2) applied as an optional course within the major, (3) applied as a general elective, (4) applied to meet basic degree requirements, or (5) applied to waive a prerequisite. Credit granted by a postsecondary institution will depend on institutional policies and degree requirements.

16

I have a course recommendation in which credit in more than one category—but in the same subject area—is recommended. It looks like a combination of the previous examples. What do I do in that case? Credit categories could be combined, if, for example, the recommendation is

In the lower-division baccalaureate/associate degree category, 3 semester hours in typing and 3 in office management. In the upper-division baccalaureate category, 3 semester hours in office management and 2 for field experience in management (11/75).

The 3 semester hours in office management recommended in the lower-division baccalaureate/associate

BEST COPY AVAILABLE

degree category and the 3 in office management recommended in the upper-division baccalaureate category should *not* be combined for a total of 6. Eight semester hours might be granted if they apply to the student's program: 3 in typing, 3 in office management, and 2 for field experience in management. The evaluators have described the course content, and using that description from the course exhibit, you must determine the appropriate application of the credit recommendation.

This type of credit recommendation would result from an evaluation conducted in the 1970s or earlier. In course evaluations, the evaluators today place credits in the highest, most appropriate, category in a given subject area. Therefore, in this example, the three semester hours in office management would be listed as upper-division credit. You would, of course, apply the credit where appropriate in your own institution.

17

Do I have to grant credit *exactly* as it appears in the recommendation? No. You are under no obligation to grant credit, although most colleges do recognize learning that occurs in a military setting. The use of ACE recommendations is the prerogative of education officials and employers. The recommendations are provided to assist you in assessing the applicability of a person's military learning experiences to his or her educational program or occupation. *You may modify the recommendations in accordance with your institution's policies and practices.*

You should keep in mind that the recommendations are advisory and are designed as a tool for use in giving due recognition to an individual for his or her learning experiences in the armed services. You should also keep in mind that the learning of some service personnel may exceed the skills, competencies, and knowledge evaluated for a specific course. In these cases, you may wish to conduct further assessment. (See question 18 for information about assessment techniques.)

18

May I conduct my own assessment of an applicant's learning? Yes. In a sense, you are *always* conducting your own assessment, even when you use the recommendations in this book. The *Guide* is one of many tools you can use to assess what an applicant has learned and how that learning can be applied to a specific program of study at your institution. When you cannot find a recommendation in the *Guide* or obtain one from OECC Information Service, we encourage you to use other means to assess what the person has learned.

There is a wide variety of assessment techniques that you can use, e.g., written examinations, oral examinations, faculty committee assessment, evaluation of materials supplied by the applicant, personal interviews, performance tests, and standardized examinations such as CLEP. A combination of several techniques will usually result in a reliable assessment of the person's learning.

You may learn more about assessment techniques through the publications of the Council for Adult and Experiential Learning (CAEL), formerly the Cooperative Assessment of Experiential Learning. Their publications may be purchased from CAEL, 10840 Little Patuxent Parkway, Columbia, Maryland 21044.

The *ACE Guide Series* now comprises this *Guide* and companion volumes, *The National Guide to Educational Credit for Training Programs* (which lists recommendations for courses offered by business and industry, government agencies, professional and voluntary associations, and labor unions) and the *Guide to Credit by Examination* (which provides descriptions and credit recommendations for nationally recognized testing programs). These volumes may be purchased through the Macmillan Publishing Company, Inc., Front and Brown Streets, Riverside, NJ 08075.

19

I found the correct exhibit in my 1986 *Guide*, but under "Credit Recommendation" it says "Pending evaluation." My student cannot wait for the 1988 *Guide* to find out what credit she might receive. What should I do in such a case? OECC staff members regularly schedule site evaluations. We publish the titles of courses, and Coast Guard, Army and Navy occupations in the *OECC News* so that you may be aware of the availability of recommendations. In addition, colleges and military counselors on the OECC and the military mailing list should receive updates for the *Handbook to the Guide*. These updates contain credit recommendations for courses and occupations evaluated since the 1986 *Guide*. (See question 24.) When a course or occupation is listed as "Pending evaluation," and does not appear in the *Handbook*, you may call the office to find out if a credit recommendation is available, or you may simply send in your authorized Request for Course Recommendation form. The *Guide* system is constantly growing as courses and occupations are added to the data base.

20

One of my students completed a formal military course but does not have a DD Form 295 or DD Form 214

BEST COPY AVAILABLE

because he was not on active-duty service. Can I grant credit for the course, and how can I verify that he actually completed the course? We recommend that school officials use the DD 295 or DD 214 whenever it is available to verify successful completion of a service course. This suggestion is not intended to exclude those individuals who do not have access to the forms because the individuals were (1) on reserve status, (2) in the National Guard, or (3) civilians attending military courses. In such cases, we suggest that alternative forms of certification, such as course completion certificates or other acceptable records of training, be used to verify eligibility for credit.

Present or former servicemembers may use *Request Pertaining to Military Records*, (Standard Form 180), available from Veterans Administration offices to obtain records of their military training.

21

Should a two-year college use only lower-division credit recommendations? And should a four-year college use only upper-division credit recommendations? Not necessarily. Depending on the recommendations, the programs of study available at the institution, and the objectives of the student, all types of institutions can use any or *all* of the four categories used in the *Guide*, namely the vocational certificate category, the lower-division baccalaureate/associate degree category, the upper-division baccalaureate category, and the graduate degree category. Please read "Categories of Credit" in the Appendix of this *Guide*.

22

We have received a transcript from a military service school listing semester credits and carrying the statement that the school is accredited by one of the six regional accrediting associations. How do we handle this? At this time we know of no military schools that are accredited above the certificate level other than the following: Community College of the Air Force, which is accredited at the two-year community college level; Army Command and General Staff College at Fort Leavenworth, Kansas, which is accredited to grant an M.A. degree; Air Force Institute of Technology at Wright-Patterson Air Force Base, which is accredited through the doctoral level; Defense Intelligence College, Washington, DC, accredited to grant an M.A. degree; Naval Postgraduate School, Monterey, CA accredited through the doctoral level; Uniformed Services University of the Health Sciences School of Medicine, Bethesda, MD accredited through the doctoral level; and the service academies. We recommend that you handle the certificate-level credit listings in accordance with your institutional policy regarding certificate-level credit.

23

I am an employer. How will the *Guide* be useful to me? As an employer, you may find the exhibits helpful when hiring and placing veterans in jobs. The recommendations and descriptions enable you to compare a veteran's training with the qualifications and requirements for jobs. The recommendations relate learning to postsecondary courses and curricula.

24

What is the *Handbook to the Guide to the Evaluation of Educational Experiences in the Armed Services*? The *Handbook to the Guide* was designed to keep institutional and military representatives up to date on the activities of ACE and OECC as well as to provide credit recommendations for courses and occupations evaluated since the latest *Guide* was printed. Revisions are mailed to military education personnel and civilian institutions. Sections most likely to be revised are those on exams, other aids, and evaluation updates.

If you are not already receiving the newsletter, write to the Editor, OECC News, *Office on Educational Credit and Credentials, American Council on Education, One Dupont Circle, Washington, DC 20036–1193.*

BEST COPY AVAILABLE

Transfer and Award of Credit

The following set of guidelines were developed by the three national associations whose member institutions are directly involved in the transfer and award of academic credit—the American Association of Collegiate Registrars and Admissions Officers, the American Council on Education, and the Council on Postsecondary Accreditation. The need for such a statement came from an awareness of the growing complexity of transfer policies and practices, which have been brought about, in part, by the changing contours of postsecondary education. With increasing frequency, students are pursuing their education in a variety of institutional and extrainstitutional settings. Social equity and the intelligent use of resources require that validated learning be recognized wherever it takes place.

The statement is intended to serve as a guide for institutions developing or reviewing policies dealing with transfer and award of credit. The statement is under periodic review by the three associations, and reactions to it would, of course, be welcome. Comments may be directed to Henry Spille, Director of the Office on Educational Credit and Credentials, ACE.

Robert H. Atwell, President
American Council on Education

This statement is directed to institutions of postsecondary education and others concerned with the transfer of academic credit among institutions and award of academic credit for extrainstitutional learning. Basic to this statement is the principle that each institution is responsible for determining its own policies and practices with regard to the transfer and award of credit. Institutions are encouraged to review their policies and practices periodically to assure that they accomplish the institutions' objectives and that they function in a manner that is fair and equitable to students. Any statements, this one or others referred to, should be used as guides, not as substitutes, for institutional policies and practices.

Transfer of credit is a concept that now involves transfer between dissimilar institutions and curricula and recognition of extrainstitutional learning, as well as transfer between institutions and curricula with similar characteristics. As their personal circumstances and educational objectives change, students seek to have their learning, wherever and however attained, recognized by institutions where they enroll for further study. It is important for reasons of social equity and educational effectiveness, as well as the wise use of resources, for all institutions to develop reasonable and definitive policies and procedures for acceptance of transfer credit. Such policies and procedures should provide maximum consideration for the individual student who has changed institutions or objectives. It is the receiving institution's responsibility to provide reasonable and definitive policies and procedures for determining a student's knowledge in required subject areas. All institutions have a responsibility to furnish transcripts and other documents necessary for a receiving institution to judge the quality and quantity of students' work. Institutions also have a responsibility to advise the students that the work reflected on the transcript may or may not be accepted by a receiving institution.

INTERINSTITUTIONAL TRANSFER OF CREDIT

Transfer of credit from one institution to another involves at least three considerations:

(1) the educational quality of the institution from which the student transfers

(2) the comparability of the nature, content, and level of credit earned to that offered by the receiving institution

(3) the appropriateness and applicability of the credit earned to the programs offered by the receiving institution, in light of the student's educational goals

Accredited Institutions

Accreditation speaks primarily to the first of these considerations, serving as the basic indicator that an institution meets certain minimum standards. Users of accreditation are urged to give careful attention to the accreditation conferred by accrediting bodies recognized by the Council on Postsecondary Accreditation (COPA). COPA has a formal process of recognition which requires that all accrediting bodies so recognized must meet the same standards. Under these standards, COPA has recognized a number of accrediting bodies, including

BEST COPY AVAILABLE

(1) regional accrediting commissions (which historically accredited the more traditional colleges and universities but which now accredit proprietary, vocational-technical, and single-purpose institutions as well)

(2) national accrediting bodies that accredit various kinds of specialized institutions

(3) certain professional organizations that accredit free-standing professional schools, in addition to programs within multipurpose institutions (COPA annually publishes a list of recognized accrediting bodies, as well as a directory of institutions accredited by these organizations.)

Although accrediting agencies vary in the ways they are organized and in their statements of scope and mission, all accrediting bodies that meet COPA's standards for recognition function to assure that the institutions or programs they accredit have met generally accepted minimum standards for accreditation.

Accreditation affords reason for confidence in an institution's or a program's purposes, in the appropriateness of its resources and plans for carrying out these purposes, and in its effectiveness in accomplishing its goals, insofar as these things can be judged. Accreditation speaks to the probability, but does not guarantee, that students have met acceptable standards of educational accomplishment.

Comparability and Applicability

Comparability of the nature, content, and level of transfer credit and the appropriateness and applicability of the credit earned to programs offered by the receiving institution are as important in the evaluation process as the accreditation status of the institution at which the transfer credit was awarded. Since accreditation does not address these questions, this information must be obtained from catalogues and other materials and from direct contact between knowledgeable and experienced faculty and staff at both the receiving and sending institutions. When such considerations as comparability and appropriateness of credit are satisfied, however, the receiving institution should have reasonable confidence that students from accredited institutions are qualified to undertake the receiving institution's educational program.

Admissions and Degree Purposes

At some institutions there may be differences between the acceptance of credit for admission purposes and the applicability of credit for degree purposes. A receiving institution may accept previous work, place a credit value on it, and enter it on the transcript. However, that previous work, because of its nature and not its inherent quality, may be determined to have no applicability to a specific degree to be pursued by the student.

Institutions have a responsibility to make this distinction, and its implications, clear to students before they decide to enroll. This should be a matter of full disclosure, with the best interests of the student in mind. Institutions also should make every reasonable effort to reduce the gap between credits accepted and credits applied toward an educational credential.

Unaccredited Institutions

Institutions of postsecondary education that are not accredited by COPA-recognized accrediting bodies may lack that status for reasons unrelated to questions of quality. Such institutions, however, cannot provide a reliable, third-party assurance that they meet or exceed minimum standards. That being the case, students transferring from such institutions may encounter special problems in gaining acceptance and transferring credits to accredited institutions. Institutions admitting students from unaccredited institutions should take special steps to validate credits previously earned.

Foreign Institutions

In most cases, foreign institutions are chartered and authorized by their national governments, usually through a ministry of education. Although this policy provides for a standardization within a country, it does not produce useful information about comparability from one country to another. No other nation has a system comparable to voluntary accreditation. The Division of Higher Education of the United Nations Educational, Scientific, and Cultural Organization (UNESCO) is engaged in a project to develop international compacts for the acceptance of educational credentials. At the operational level, four organizations—the Council on International Educational Exchange (CIEE), the National Council on the Evaluation of Foreign Student Credentials (CEC), the National Association for Foreign Student Affairs (NAFSA), and the National Liaison Committee on Foreign Student Admissions (NLC)—often can assist institutions by distributing general guidelines on admission and placement of foreign students. Equivalency or placement recommendations are to be evaluated in terms of the programs and policies of the individual receiving institution.

BEST COPY AVAILABL

VALIDATION OF EXTRAINSTITUTIONAL AND EXPERIENTIAL LEARNING FOR TRANSFER PURPOSES

Transfer-of-credit policies should encompass educational accomplishment attained in extrainstitutional settings as well as at accredited postsecondary institutions. In deciding on the award of credit for extrainstitutional learning, institutions will find the services of the American Council on Education's Office on Educational Credit and Credentials helpful. One of the Office's functions is to operate and foster programs to determine credit equivalencies for various modes of extrainstitutional learning. The Office maintains evaluation programs for formally structured courses offered by the military, and civilian noncollegiate sponsors such as business, corporations, government agencies, and labor unions. Evaluation services are also available for examination programs, for occupations with validated job proficiency evaluation systems, and for correspondence courses offered by schools accredited by the National Home Study Council. The results are published in a Guide series. Another resource is the General Education Development (GED) Testing Program, which provides a means for assessing high school equivalency.

For learning that has not been validated through the ACE formal credit recommendations process or through credit-by-examination programs, institutions are urged to explore the Council for Adult and Experiential Learning (CAEL) procedures and processes.

USES OF THIS STATEMENT

This statement has been endorsed by the three national associations most concerned with practices in the area of transfer and award of academic credit—the American Association of Collegiate Registrars and Admissions Officers, the American Council on Education, and the Council on Postsecondary Accreditation.

Institutions are encouraged to use this statement as a basis for discussions in developing or reviewing institutional policies with regard to transfer. If the statement reflects an institution's policies, that institution might want to use this publication to inform faculty, staff, and students.

It is recommended that accrediting bodies reflect the essential precepts of this statement in their criteria.

Approved by the Executive Committee, American Association of Collegiate Registrars and Admissions Officers
November 21, 1978

Approved by the American Council on Education/ Commission on Educational Credit and Credentials
December 5, 1978

Approved by the COPA Board
October 10, 1978

BEST COPY AVAILABLE

Course Exhibits

AF

NOTE: The Community College of the Air Force has been accredited by the Soutern Association's Commision on Colleges and grants an Associate in Applied Science degree. CCAF transcripts should be treated in the same manner as transcripts from institutions granting similar degrees. Official copies of transcripts may be obtained from Registrar, Community College of the Air Force, Maxwell AFB, Alabama 36112.

AF-0101-0001

DISEASE VECTOR AND PEST CONTROL TECHNOLOGY

Course Number: 3AZR56650.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 5 weeks (132 hours).
Exhibit Dates: 10/71–12/73.
Objectives: To train enlisted personnel in the basic principles of pest control.
Instruction: Lectures and practical experience in the basic principles of pest control, including the classification and characteristics of insects; mosquito abatement procedures; field ecology; control of flies, fleas, lice, ticks, and mites; formulation, evaluation, and proper use of pesticides; operation and maintenance of insecticide dispersal equipment; and epidemiology of vector-borne diseases.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in entomology (1/74).

AF-0101-0002

ENGINEERING ENTOMOLOGY SPECIALIST

Course Number: ABR56630.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 6 weeks (180 hours).
Exhibit Dates: 8/65–12/73.
Objectives: To train enlisted personnel in the basic principles of animal and vegetable pest control.
Instruction: Lectures and practical experience in the basic principles of animal and vegetable pest control, including ecology and epidemiology of vector-borne diseases; pesticide classification, safety, dispersal, and disposal; fumigation techniques; sanitation; mosquito control; and control of venomous animals, rodents, and other vertebrates.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in community sanitation or agricultural pest control (2/74).

AF-0101-0003

ENGINEERING ENTOMOLOGY SPECIALIST/TECHNICIAN
(Entomology Specialist)
Course Number: 3ABR56630.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 6 weeks (240 hours).
Exhibit Dates: 4/73–12/73.
Objectives: To train enlisted personnel in the basic principles of animal and vegetable pest control.
Instruction: Lectures and practical experience in the basic principles of animal and vegetable pest control, including ecology and epidemiology of vector-borne diseases; pesticide classification, safety, dispersal, and disposal; fumigation techniques; sanitation; mosquito control; and control of venomous animals, rodents, and other vertebrates.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in community sanitation or agricultural pest control (1/74).

AF-0101-0004

PEST CONTROL (SEA)

Course Number: 2ASR56650-2.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 2 weeks (80 hours).
Exhibit Dates: 4/73–12/73.
Objectives: To train enlisted personnel to identify and control pest problems.
Instruction: Lectures and practical experience in the basic principles of pest control, including epidemiology of vector-borne diseases; use and evaluation of various pest control methods; operation of pest control equipment; and safety procedures for mixing, handling, and storing insecticides.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in entomology (1/74).

AF-0102-0001

ANIMAL SPECIALIST

Course Number: 5ALY90831.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 8 weeks (259–276 hours).
Exhibit Dates: 5/72–11/77.
Objectives: To provide enlisted personnel with the skills required in zoonosis control clinics, working dog programs, and veterinary support of biomedical research.
Instruction: Lectures and laboratory in all facets of animal care, including anatomy and physiology, clinical laboratory procedures, necropsy, animal diseases, pharmacology, sanitation, zoonosis control clinic management, and military dog care.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in laboratory animal management (2/74).

AF-0102-0002

ANIMAL TECHNICIAN
(Laboratory Animal Technician)
Course Number: *Version 1:* 5AZY90850. *Version 2:* 3AY90871.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: *Version 1:* 6 weeks (204 hours). *Version 2:* 8 weeks (308 hours).
Exhibit Dates: *Version 1:* 9/77–Present. *Version 2:* 1/67–8/77.
Objectives: To provide the skills necessary to manage, handle, and care for laboratory animals.
Instruction: Lectures and laboratories in animal care and handling, including anatomy and physiology, pharmacology, clinical laboratory procedures, necropsy, animal nutrition, surgery and aseptic techniques, and laboratory animal diseases.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 4 semester hours in laboratory animal management, 3 in basic animal medical sciences (2/78). *Version 2:* In the vocational certificate category, 4 semester hours in laboratory animal management (1/74); in the lower-division baccalaureate/associate degree category, 4 semester hours in laboratory animal management (1/74); in the upper-division baccalaureate category, 4 semester hours in laboratory animal management (1/74).

AF-0102-0003

1. VETERINARY SPECIALIST (Veterinary Specialist Phase II)
2. VETERINARY SPECIALIST
3. VETERINARY SPECIALIST
4. VETERINARY SPECIALIST (Apprentice Veterinary Specialist)
5. APPRENTICE VETERINARY SPECIALIST

Course Number: *Version 1:* 5ABY90830. *Version 2:* 3ABR90830. *Version 3:* 3ABR90830. *Version 4:* ABR90830; AB90830. *Version 5:* AB90830
Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 3:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 4:* Medical Service School, Gunter AFB, AL. *Version 5:* Medical Service School, Gunter AFB, AL.
Length: *Version 1:* 3–4 weeks (113 hours). *Version 2:* 16 weeks (518 hours). *Version 3:* 13 weeks (390 hours). *Version 4:* 10–11 weeks (402–429 hours). *Version 5:* 13 weeks (507 hours).
Exhibit Dates: *Version 1:* 8/77–Present. *Version 2:* 10/70–2/77. *Version 3:* 1/69–9/70. *Version 4:* 10/57–12/68. *Version 5:* 5/54–9/57.
Objectives: To train airmen in food inspection procedures, sanitary surveillance of food processing and storage facilities, and veterinary support of combat operations.
Instruction: *All Versions:* Lectures and practical exercises in the fundamentals of medical service, veterinary administration, microbiology, technical inspection procedures, veterinary field training, animal service, and zoonosis control activities. *Version 1:* Phase I training (8 weeks) is at Ft. Sam Houston, TX at the Academy of Health Sciences. See exhibit AR-0104-0002.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in administration and management, 2 in food sanitation, 2 in laboratory animal management (2/78). *Version 2:* In the lower-division

BEST COPY AVAILABLE

baccalaureate/associate degree category, 3 semester hours in food science and meat and dairy hygiene (2/74); in the upper-division baccalaureate category, 3 semester hours in food science and meat and dairy hygiene (2/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (1/69). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (12/68). *Version 5:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (5/63).

AF-0104-0001

VETERINARY TECHNICIAN

Course Number: *Version 1:* 3AAR90870-1; AAR90870-1. *Version 2:* AAR90870; AA90870. *Version 3:* AA90870.

Location: *Version 1:* Medical Service School, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL; *Version 2:* School of Aviation Medicine, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 12–14 weeks (434–499 hours). *Version 3:* 15 weeks (585 hours).

Exhibit Dates: *Version 1:* 11/68–12/73. *Version 2:* 7/65–10/68. *Version 3:* 10/56–6/65.

Objectives: To present a comprehensive program in food microbiology, animal service, and zoonotic disease control to qualified enlisted personnel.

Instruction: Practical experience in the inspection of meat and meat products; supervision of sanitary handling; inspection of fruits; sanitary surveillance of food processing establishments; basic principles of food microbiology; statistical inspection procedures; and food preservation and storage.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in meat and dairy hygiene (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in meat and dairy hygiene (12/68).

AF-0202-0001

GRAPHICS PREPARATION AND ILLUSTRATION TECHNIQUES

Course Number: 3AZR22351.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 10/68–12/73.

Objectives: To provide trainees with skills in illustration fundamentals, layout and media techniques, and reproduction methods and processes.

Instruction: Illustration fundamentals, including care and use of equipment and materials, lettering, figure drawing, cartooning, layout, still life drawing; illustration layout and media techniques, including sketched layouts, line and tone media, color media, visual communication techniques; reproduction methods and processes, including printing and reproduction processes, projection transparencies and slides, silkscreen, shop operation, and production controls.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in graphic material preparation (12/73)

AF-0306-0001

MAINTENANCE ANALYSIS TECHNICIAN

Course Number: *Version 1:* 3AAR39170. *Version 2:* 3AAR39170; 3AAR43470. *Version 3:* AAR43470.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* School of Applied Aerospace Sciences, Chanute AFB, IL; *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 6 weeks (240 hours). *Version 2:* 6–7 weeks (180–210 hours). *Version 3:* 7–8 weeks (198–228 hours).

Exhibit Dates: *Version 1:* 8/73–12/73. *Version 2:* 4/68–7/73. *Version 3:* 1/64–3/68.

Objectives: To train enlisted personnel to be maintenance analysis technicians.

Instruction: *All Versions:* Lectures and laboratory in advanced analytical methods used in data collection assembly and analysis techniques, including communications security, maintenance management, supervision, data presentation, use of TV cameras and video tape recorders, and maintenance and man-hour data analysis. *Version 2:* Instruction includes business statistics and probability.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in business report writing (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in business statistics (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in statistical report writing (6/74)

AF-0326-0001

INDUSTRIAL PROPERTY ADMINISTRATION (JT)

Course Number: 160.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3 weeks (75–114 hours).

Exhibit Dates: 12/69–6/74.

Objectives: To provide industrial property administrators with advanced training in industrial property administration.

Instruction: Lectures and practical exercises in industrial property administration. Course includes property law and procurement regulations, property administrator's responsiblities and duties, contract administration and inventory management, controls audit, statistical sampling, and selected property administration problems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in industrial management (6/74); in the upper-division baccalaureate category, 2 semester hours in industrial management (6/74).

AF-0326-0003

CONTRACT ADMINISTRATION

Course Number: 175.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3–4 weeks (90–120 hours).

Exhibit Dates: 12/69–6/74.

Objectives: To provide selected personnel with knowledge and skills essential to performance as contracting officers or contracting administrators.

Instruction: Lectures and practical exercises to include organization for contract administration; types of contracts; cost analysis, pricing, and profit; contract modification; production and progress evaluation; funding and financing; quality assurance; inspection and acceptance; warranties; negotiation of changes, disputes, and claims; and termination.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in contract administration (8/74); in the upper-division baccalaureate category, 2 semester hours in contract administration (8/74).

AF-0331-0001

REAL ESTATE—COST-MANAGEMENT ANALYSIS SPECIALIST
(Real Estate and Cost Management Analysis Specialist)

Course Number: 3ALR55430.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/68–2/73.

Objectives: To train enlisted personnel to be real-estate and cost-management analysis specialists.

Instruction: Lectures in cost accounting and management analysis procedures as applied to real-property management, including publications, automatic data processing, establishment and maintenance of automated cost and real-property files, labor accounting, work control, real-property accounting, and cost procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in real estate and cost accounting (12/68).

AF-0332-0001

SUPPLY SERVICES SUPERVISOR

Course Number: AAR61170.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/66–1/68.

Objectives: To train enlisted personnel as supply services supervisors.

Instruction: Lectures and practical exercises in supply services supervision, including personnel relations and management practices, OJT training, clothing sales store management, stock control and pricing, requisitioning, receiving and shipping, merchandising, inventory, accounting and reporting, commissary management, laundry and dry-cleaning management, and organization and equipment required for various supply services. Includes redistribution and marketing management.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in supply services management (12/68).

AF-0406-0001

COMMISSARY OPERATIONS
(Commissary Noncommissioned Officer (NCO))
(Commissary NCOIC)

Course Number: AZR61170; AZR64270-1; AZR64270; OTS6444-1.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3–4 weeks (90–120 hours).

Exhibit Dates: 2/60–12/68.

Objectives: To train officers and noncommissioned officers in commissary operations.

Instruction: Lectures and practical exercises in commissary operations, including property accounting and supply discipline, subsistence supply procedures, pricing, inventory procedures, sales, accounting and

BEST COPY AVAILABLE

reporting, sales forecasting, and subsistence and sales report analysis.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in store management (12/68).

AF-0419-0002

AIR PASSENGER SPECIALIST
(Air Passenger and Operations Specialist)

Course Number: 3ABR60530; ABR60530; ABR60130; AB60130.

Location: Technical Training Center, Sheppard AFB, TX; Technical Training Center, Keesler AFB, MS.

Length: 5–8 weeks (90–240 hours).

Exhibit Dates: 11/54–12/73.

Objectives: To provide enlisted personnel with the skills and knowledge necessary to perform as apprentice air passenger specialists.

Instruction: Lectures and practical experience in the basic principles of air transportation, including effective communication, human relations, customer service, air terminal organization, air traffic records and reports, airlift and airspace requirements, aircraft weight and balance, and customs regulations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in transportation (12/68).

AF-0419-0004

AIR CARGO SPECIALIST BY CORRESPONDENCE

Course Number: 60551.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 7/84–Present.

Objectives: This course provides a basic introduction of air cargo policies and procedures material handling equipment and occupational safety standards.

Instruction: Course instruction covers career opportunities, terminology, shipping and receiving documents, storage, hazardous materials, loading and unloading procedures, weight limitations and various equipment handling systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in basics in air cargo (10/85).

AF-0419-0005

SURFACE TRANSPORTATION OFFICER

Course Number: OBR6031; OB6031.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 6/55–12/62.

Objectives: To train officers for managerial positions in the surface transportation field.

Instruction: Lectures and practical exercises in principles of surface transportation management, including passenger and freight terminal operations, airlift operations and management, aircraft load planning, weight and balance problems, and aerial delivery procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in transportation (11/62).

AF-0419-0007

AIR FREIGHT SPECIALIST

Course Number: ABR60531; AB60132

Location: Technical Training school, Sheppard AFB, TX.

Length: 7–9 weeks (180–210 hours).

Exhibit Dates: 7/55–6/69.

Objectives: To provide enlisted personnel with basic knowledge and technical skill in air cargo transportation and handling.

Instruction: Lectures and practical demonstrations in basic air cargo transportation and handling, including air transportation activities fundamentals; military air command airlift systems; materials-handling vehicle operation; aircraft loading techniques; weight and balance computation; dangerous cargo processing and handling; and processing, documentation, and warehousing of general cargo and mail.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in transportation (12/68).

AF-0419-0009

FREIGHT TRAFFIC SPECIALIST

Course Number: AB60231.

Location: Technical Training Wing, Sheppard AFB, TX.

Length: 9 weeks (180–240 hours).

Exhibit Dates: 9/56–12/68.

Objectives: To provide enlisted personnel with basic training in freight operations management and commercial transportation.

Instruction: Lectures and practical demonstrations in the basic principles of transportation and freight traffic management, including classification of freight; tariffs; bill-of-lading procedures; various modes of transportation; duties of traffic managers; and special transportation problems, such as carrier liability, transit privileges, reconsignment, diversion, demurrage, and routing.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in traffic operation or transportation management (12/68).

AF-0419-0010

TRANSPORTATION OFFICER
(Air Transportation Officer)

Course Number: 3OBR6041; OBR6041; OBR6021; OB6021.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: 10–16 weeks (270–480 hours).

Exhibit Dates: 8/55–12/73.

Objectives: To train officers in the duties and responsibilities of a transportation officer.

Instruction: Lectures and practical experience in the management of all facets of air and surface transportation, including operation of a commercial transportation office; airlift terminal organization and operation; movement and storage of household goods; personnel transportation; transportation budget; movement of materials by air, water, rail, and pipeline.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in transportation management (12/68).

AF-0419-0012

1. TRANSPORTATION STAFF OFFICER
2. TRANSPORTATION STAFF OFFICER
(Transportation Officer)

Course Number: *Version 1:* 3OAR6011. *Version 2:* OAR6011.

Location: Air Training Command, Sheppard AFB, TX.

Length: *Version 1:* 10–12 weeks (330–390 hours). *Version 2:* 12–24 weeks (360–720 hours).

Exhibit Dates: *Version 1:* 6/68–12/73. *Version 2:* 1/56–5/58.

Objectives: To train transportation officers in all aspects of advanced transportation management.

Instruction: Lectures and supervised student projects in procedures and techniques of advanced traffic management; military traffic management; air transportation management; vehicle operation and maintenance; transportation fund management; development of transportation systems, plans, and programs; data automation and systems analysis; commercial transportation services; packing, packaging, and marking materials; military and commercial air, motor, rail, water, and pipeline movement.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 8 semester hours in transportation management (1/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in transportation management (12/68).

AF-0419-0019

MOTOR VEHICLE MAINTENANCE MANAGEMENT

Course Number: 3AZR47000.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 4 weeks (148 hours).

Exhibit Dates: 7/73–12/73.

Objectives: To train enlisted personnel to supervise and manage motor vehicle maintenance activities.

Instruction: Lectures and practical exercises in motor vehicle maintenance management. Course includes administration and supervision techniques, maintenance scheduling, quality and material control, vehicle safety, and parts supply management.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in transportation management (7/74).

AF-0419-0021

AIR PASSENGER SPECIALIST BY CORRESPONDENCE

Course Number: 60550.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 1/83–Present.

Objectives: This course provides background information related to the duties and responsibilities of a military air passenger specialist. Procedures for processing passenger reservations are detailed. Supervision and employee/customer relations are also discussed.

Instruction: Course instruction covers management/supervisory functions, passenger safety, air transport regulations, documentation, aircraft indentification and automated data processing of passenger reservations.

Credit Recommendation: Credit is not recommended because of the limited, specialized nature of the course (10/85).

AF-0419-0022

AIR PASSENGER SPECIALIST (RESERVE)

Course Number: 3ARR60550.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 2 weeks (72 hours).

Exhibit Dates: 8/73–12/73.

Objectives: To train airmen as air passenger specialists.

Instruction: Lectures and practical exercises in duties of air passenger specialists, including scheduling and processing passengers for flight, organization of air terminals,

BEST COPY AVAILABLE

flight schedules, industrial funding and reimbursable traffic procedures, passenger eligibility, acceptance, processing, manifesting, and passenger baggage-handling equipment operation.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in transportation and air passenger traffic management (7/74).

AF-0419-0023

VEHICLE OPERATIONS SUPERVISIOR BY CORRESPONDENCE

Course Number: 60370.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 6/78–Present.
Objectives: This course provides initial training for vehicle operations supervisors in planning and scheduling of vehicle activities, personnel management, inspection and evaluations and maintenance operations.
Instruction: Course instruction covers care and servicing of wheeled vehicles, personnel employment standards, fuel consumption, maintenance checks, on-the-job training needs, as well as supervisory management policies and practices.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in principles of supervision (10/85).

AF-0419-0025

PASSENGER AND HOUSEHOLD GOODS SPECIALIST
(Passenger Traffic Specialist)

Course Number: AB60230.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4–9 weeks (120–180 hours).
Exhibit Dates: 9/56–12/68.
Objectives: To train airmen in passenger traffic management and the movement of household goods and baggage.
Instruction: Lectures and practical exercises in passenger traffic management and the movement of household goods and baggage, including transportation agencies, regulations of carriers, travel orders, modes and classes available for passenger transportation, passenger routing, preparation of transportation requests, transportation costs, and movement, storage, and documentation of household goods.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in transportation (12/68).

AF-0419-0026

APPRENTICE VEHICLE OPERATOR/DISPATCHERBY CORRESPONDENCE

Course Number: 60330.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 4/83–Present.
Objectives: To provide apprentice training in passager/cargo vehicle selection and operation. General upkeep and maintenance training is also included.
Instruction: Course training covers vehicle operations, defensive driving, emergency repairs, passenger/cargo load factors and dispatching procedures.
Credit Recommendation: Credit is not recommended because of the limited, specialized nature of the course.

AF-0504-0002

GROUND RADIO OPERATOR BY CORRESPONDENCE

Course Number: 29353.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 8/84–Present.
Objectives: This course is designed to teach basic operational concepts in air ground operations, system structure and radio transmission fundamentals.
Instruction: This course provides a basic understanding of the various agencies which manage communications-electronics matters throughout the world. It includes command, control and communication countermeasures, frequency usages and administration of various types of radio stations. Radio propogation theory, antenna systems, weather, aircraft emergencies and logkeeping are also included.
Credit Recommendation: In the vocational certificate category, 3 semester hours in radio/television communication concepts or 1 hour in electronics (10/85); in the lower-division baccalaureate/associate degree category, 2 semester hours in media operations (10/95).

AF-0504-0003

TELECOMMUNICATIONS OPERATIONS SPECIALIST BY CORRESPONDENCE

Course Number: 29150.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 9/84–Present.
Objectives: The purpose of this course is to provide information about the composition, organization, and utilization of communication systems.
Instruction: This course covers communication security, publications, telephone operations, budgeting, and processing of messages by teletypewriter, magnetic tape, keypunch and standard remote terminals. Instruction includes a basic understanding of the main components and peripheral devices of a computerized communications network.
Credit Recommendation: In the vocational certificate category, 2 semester hours in communications or, in the lower-division baccalaureate/associate degree category, 2 semester in information processing theory (10/85).

AF-0504-0004

APPRENTICE TELECOMMUNICATIONS OPERATIONS SPECIALIST BY CORRESPONDENCE

Course Number: 29130.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 4/81–Present.
Objectives: This course provides training in communications fundamentals and telephone operations, message formats and procedures, and in communications equipments.
Instruction: The course is an introduction to basic communication skills and includes publications, security, telecommunication systems, telephone operations, message format and preparation. It describes basic communication equipment including communication circuits and automated systems operated in relay and terminal stations.
Credit Recommendation: In the vocational certificate category, 1 semester hour in communications (10/85).

AF-0505-0001

TELEVISION PRODUCTION SPECIALIST

Course Number: ATS 72151-1.
Location: 3415th Technical School, Lowry AFB, TX.
Length: 7 weeks (210 hours).
Exhibit Dates: 5/61–12/68.
Objectives: To train personnel for assignment in television services.
Instruction: Topics include the television system, video and audio switching, staging and principles of lighting, directing concepts, recording processes, practical television production, and the television script.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in television production (11/77).

AF-0701-0002

DENTAL ASSISTANT BY CORRESPONDENCE

Course Number: 98150.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum of 52 weeks.
Exhibit Dates: 10/80–Present.
Objectives: To prepare the person to serve as an assistant in a basic dental office, engaging in general dental tasks including the exposure and processing of x-rays, and the treatment of patients.
Instruction: The correspondence course includes general office assistant responsibilities in four-handed dentistry to include dental records, safety, equipment maintenance, and supervision; student will learn oral anatomy and physiology, dental therapeutics, dental pathology and microbiology, sterilization principles of dental radiology, dental instruments and materials and instruments of oral surgery and prophylaxis.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in introduction to anatomy or 3 semester hours in instruments of oral prophylaxis. Course concludes with a proctored examination (9/84).

AF-0701-0005

DENTAL ASSISTANT (PHASE I)

Course Number: 3ALR98330.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 18 weeks (540 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To provide enlisted personnel with auxiliary training in the field of dental assisting.
Instruction: Lectures and practical experience in advanced dental assisting, including postoperative treatment; making impressions; placing and removing sutures; irrigating and medicating root canals; constructing and placing temporary crowns and temporary fixed partial dentures; and placing, carving, and finishing temporary and permanent restorations.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in dental assisting, 3 in dental hygiene, all on the basis of institutional evaluation (2/74).

AF-0701-0006

DENTAL ASSISTANT (PHASE II)

Course Number: 3AAR98370.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 8 weeks (320 hours).
Exhibit Dates: 11/72–12/73.

BEST COPY AVAILABLE

Objectives: To provide enlisted personnel with auxiliary training in the field of dental assisting.

Instruction: Lectures and practical experience in advanced dental assisting, including postoperative treatment; making impressions; placing and removing sutures; irrigating and medicating root canals; constructing and placing temporary crowns and temporary fixed partial dentures; and placing, carving, and finishing temporary and permanent restorations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in dental assisting, 2 in dental hygiene, all on the basis of institutional evaluation (2/74).

AF-0701-0008

PREVENTIVE DENTISTRY SPECIALIST

Course Number: 3ALR98131.

Location: Sheppard Technical Training Center, Sheppard AFB, TX.

Length: *Version 1:* 7 weeks (228 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 8/72–12/73. *Version 2:* 4/69–7/72.

Objectives: To train enlisted personnel as preventive dentistry specialists.

Instruction: *All Versions:* Lectures and practical exercises in preventive dentistry, including pathology, elementary chairside assisting, clinical procedures, oral hygiene, prosthetic procedures, periodontal anatomy, microscopy, and communicative skills. *Version 1:* Instruction includes radiology.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication (1/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in oral and written communication (1/74).

AF-0701-0010

COMPLETE DENTURE PROSTHETICS

Course Number: 3AZR98270-4.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 4 weeks (160 hours).

Exhibit Dates: 8/73–12/73.

Objectives: To train dental technicians in complete denture prosthetics.

Instruction: Lectures and practical exercises in the fabrication of dentures. Course includes baseplates and occlusion rims, cast mounting, tooth arrangement, wax up and festoon, flasking and boilout, packing and curing, deflasking and remounting, selective grinding, and finishing and polishing.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in complete denture prosthetics (7/74).

AF-0701-0012

REMOVABLE PARTIAL DENTURE PROSTHETICS

Course Number: 3AZR98270-6.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 3 weeks (138 hours).

Exhibit Dates: 7/73–12/73.

Objectives: To provide enlisted personnel with the skills necessary to cast removable dentures.

Instruction: Lectures and practical experience in the basic principles of casting chrome-cobalt removable dentures, including design and duplication; setting up, polishing, finishing, and repairing completed dentures; and preventive maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in dental laboratory technology on the basis of institutional evaluation (2/74).

AF-0701-0016

DENTAL LABORATORY SPECIALIST

Course Number: 3ABR98230.

Location: School of Health Care Sciences, Sheppard AFB, TX.

Length: 27–29 weeks (878 hours).

Exhibit Dates: 9/69–12/73.

Objectives: To provide enlisted personnel with a basic knowledge of dental technology.

Instruction: Lectures and laboratory in the fundamentals of dental technology, including dental anatomy; complete denture construction; cast removable partial denture construction; construction of gold crowns and inlays, fixed partial dentures, and acrylic resin jacket crowns; and maintenance of dental laboratory equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in dental laboratory technology on the basis of institutional evaluation (2/74).

AF-0702-0003

CLINICAL LABORATORY OFFICER

Course Number: OBR9151.

Location: Medical Service School, Gunter AFB, AL.

Length: 16 weeks (624–640 hours).

Exhibit Dates: 3/55–12/68.

Objectives: To provide the student with the skills necessary to supervise and administer a medical laboratory.

Instruction: Lectures and practical clinical exercises in electrocardiography, bacteriology, chemistry, hematology, histology, parasitology, immunohematology, urinalysis, preventive medicine, veterinary service, and laboratory administration.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in advanced clinical laboratory techniques (12/68).

AF-0702-0004

MEDICAL LABORATORY TECHNICIAN

Course Number: *Version 1:* 5AZY90470. *Version 2:* AA90470.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 6 weeks (240 hours). *Version 2:* 25 weeks (972 hours).

Exhibit Dates: *Version 1:* 12/71–12/73. *Version 2:* 2/54–11/71.

Objectives: To provide the medical laboratory technician with current information in medical laboratory methods and equipment.

Instruction: Lectures and practical experience in quality control methods, bacteriology, medical mycology methods and techniques, parasitology, serology, hematology, clinical chemistry, virology, forensic toxicology, drug abuse detection, laboratory management, and military public health programs.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 10 semester hours in medical technology or 10 in biology or chemistry (2/74). *Version 2:* In the upper-division baccalaureate category, 10 semester hours in science for non-science majors or 5 in biology or chemistry for science majors (12/68).

AF-0702-0005

1. MEDICAL LABORATORY SPECIALIST, PHASE I
2. MEDICAL LABORATORY SPECIALIST, PHASE I
3. APPRENTICE MEDICAL LABORATORY SPECIALIST

Course Number: *Version 1:* ABR90430-2. *Version 2:* ABR90430. *Version 3:* AB90430.

Location: *Version 1:* Medical Service School, Sheppard AFB, TX; *Version 1:* Medical Service School, Gunter AFB, AL. *Version 2:* Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 14–17 weeks (510–596 hours). *Version 2:* 16 weeks (596 hours). *Version 3:* 19–21 weeks (741–819 hours).

Exhibit Dates: *Version 1:* 9/65–8/68. *Version 2:* 6/62–8/65. *Version 3:* 6/54–5/62.

Objectives: To train personnel as medical laboratory specialists.

Instruction: *All Versions:* Lectures and practical exercises in medical laboratory technology, including clinical chemistry, bacteriology, hematology, and disaster medicine. *Version 1:* Topics include microbiology. *Version 2:* Topics include biochemistry, urinalysis, microbiology, preventive medicine, serology, and histological techniques. *Version 3:* Topics include aviation medicine, medical material, serology, transfusions, histological techniques, parasitology, urinalysis, virology, nuclear medicine,

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 30 semester hours applied to a major in medical technology OR 10 semester hours applied to a minor in chemistry or biology (12/68). NOTE: Granting of this credit is contingent upon completion of this course and either AF-0702-0006 or AF-0702-0007. No credit is recommended for completion of this course alone. *Version 2:* In the upper-division baccalaureate category, 30 semester hours applied to a major in medical technology OR 10 applied to a minor in chemistry or biology (12/68). NOTE: Granting of this credit is contingent upon completion of this course and either AF-0702-0006 or AF-0702-0007. No credit is recommended for completion of this course alone. *Version 3:* In the upper-division baccalaureate category, 5 semester hours in basic science for non-science majors, 2 in biology or chemistry for science majors (12/68).

AF-0702-0006

HISTOPATHOLOGY/CYTOTECHNOLOGY SPECIALIST

(Alternate Phase II of Medical Laboratory Specialist Course)

Course Number: 5ALO90431.

Location: Selected Air Force Hospitals, U.S.A.

Length: 36 weeks (1440 hours).

Exhibit Dates: 10/68–Present.

Objectives: To train airmen as histopathology and cytotechnology specialists.

Instruction: Lectures and practical exercises in histopathology and cytotechnology including histopathology procedures; decalcifying procedures; dehydration procedures; normal staining procedures; using the microtome and cryostat and sharpening blades for the two instruments; coverslipping microscopic slides; assisting in morgue duties; cytotechnology procedures; facts about normal vaginal, cervical, and uterine cytology, prepuberty smears, postpartum smears, menopausal smears, and postmenopausal smears; preparing biological stains and

BEST COPY AVAILABLE

staining prepared slides; normal, atypical, and abnormal vaginal, cervical and uterine cells; therapeutic changes; maturation index and fluid cytology; and screening of female genital tract slide-specimen materials to differentiate the normal from atypical and abnormal cell patterns.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 8 semester hours in chemistry or biology (7/74); in the upper-division baccalaureate category, 20 semester hours in histopathology/cytotechnology for medical technology majors, 8 in chemistry or biology (12/68). NOTE: Granting of this credit is contingent upon completion of Medical Laboratory Specialist, Phase I (AF-0702-0005) and this course.

AF-0702-0007

MEDICAL LABORATORY SPECIALIST, PHASE II

Course Number: 5AZO90450; AZR90450.
Location: Selected Air Force Hospitals, U.S.A.
Length: 36 weeks (1440 hours).
Exhibit Dates: 9/60–Present.
Objectives: To train airmen as medical laboratory specialists.
Instruction: Lectures and practical exercises in medical laboratory technology, including introduction to the clinical laboratory, hematology, urinalysis, blood banking and immunohematology, serology, clinical chemistry, microbiology (bacteriology, mycology, and virology), parasitology, histopathology, special chemistry, laboratory administration, and night duty training.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in clinical laboratory techniques, 8 in hematology, 3 in clinical microscopy, 5 in blood bank and immunohematology (7/74); in the upper-division baccalaureate category, 30 semester hours in medical technology for medical technology majors or 10 in biology or chemistry for medical technology minors (12/68). NOTE: Credit is contingent upon completion of this course and Phase I (AF-0702-0005). No credit is recommended for either phase considered separately (12/68).

AF-0703-0002

NURSE-MIDWIFERY RESIDENCY

Course Number: 5OZO9776.
Location: Malcolm Grow USAF Medical Center, Andrews AFB, MD.
Length: 30 weeks (1350 hours).
Exhibit Dates: 1/73–Present.
Objectives: To train qualified registered nurses in the management of a patient's normal obstetrical and gynecological needs during the maternity cycle.
Instruction: Lectures and clinical residency experience in the practice of nurse-midwifery including antepartum care; physical examinations; sociological, cultural, and marital attitudes and influences; human growth and development; labor, delivery and puerperium; community aspects of nurse-midwifery; supervised clinical practice in labor and delivery methods; postpartum care; and management of minor gynecological problems.
Credit Recommendation: In the upper-division baccalaureate category, 15 semester hours in clinical practicum on the basis of institutional evaluation (6/75).

AF-0703-0003

NURSING SERVICE ADMINISTRATION

Course Number: OZR9711.
Location: Medical Service School, Gunter AFB, AL.
Length: 24 weeks (920–946 hours).
Exhibit Dates: 12/62–12/68.
Objectives: To prepare staff nurses to assume administrative duties.
Instruction: Lectures and discussions in personnel management, human relations, communication skills, principles and methods of in-service education, legal responsibilities, and financial management.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in nursing administration, 2 in personnel management (2/74).

AF-0703-0005

OPERATING ROOM SUPERVISOR

Course Number: 3OZR9736.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 22 weeks (837 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To prepare registered nurses to supervise surgical services.
Instruction: Lectures and practical exercises in interpersonal relationships; guidance and counseling; job descriptions and performance standards; in-service education; safety; infection control; nursing processes and care evaluation; management principles and organization; budget; disaster planning; collective bargaining; and nursing service evaluation.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in nursing management (2/74).

AF-0703-0006

NURSING SERVICE MANAGEMENT

Course Number: 3OZR9711-3.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 17 weeks (632 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To train registered nurses for managerial and supervisory duties in military facilities.
Instruction: Lectures and practical exercises in research; problem-solving techniques; work simplification; data processing; human relations; in-service education, evaluation of nursing care; budget control; disaster planning; and collective bargaining and standards of accreditation.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in nursing management (2/74).

AF-0703-0007

MEDICAL SERVICE FUNDAMENTALS

Course Number: 3AQR90010.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (128 hours).
Exhibit Dates: 5/70–12/73.
Objectives: To train auxiliary medical support personnel in basic medical fundamentals as a prerequisite for advanced specialties.
Instruction: Lectures and practical exercises in basic medical fundamentals, including basic hospital procedures, field casualty care, and anatomy and physiology. Topics include medical terminology, medical ethics, safety practices, facilities, emergency treatment for shock and hemorrhage, vital signs, resuscitation, emergency treatment for wounds, field dressings, fractures and dislocations, toxic agents, head and back injuries, chest and abdominal injuries, thermal injuries and heat disorders, disaster medicine, supplies and equipment, and resuscitation.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in anatomy and physiology, 3 in basic nurse skills, 3 in medical-surgical procedures (7/74).

AF-0703-0008

FLIGHT NURSE

Course Number: 5OLY9761; OLY9761; OZY9760.
Location: School of Aerospace Medicine, Brooks AFB, TX; School of Aviation Medicine, Gunter AFB, AL.
Length: 5–6 weeks (170–234 hours).
Exhibit Dates: 4/75–Present.
Objectives: To train personnel in the duties and responsibilities necessary to perform patient care during aeromedical evacuation.
Instruction: Lectures and practical exercises in physiological education, aerospace nursing, survival, preventive medicine, and flying safety.
Credit Recommendation: In the upper-division baccalaureate category, credit in general and advanced nursing on the basis of institutional evaluation or 5 semester hours as electives in the biological sciences (2/78).

AF-0703-0009

PEDIATRICS NURSE PRACTITIONER

Course Number: OAY9755.
Location: Wilford Hall Medical Center, Lackland AFB, TX.
Length: 21 weeks (840 hours).
Exhibit Dates: 7/71–12/73.
Objectives: To prepare nurse corps officers to assume an expanded role in providing comprehensive health services to children.
Instruction: Lectures and practical exercises in pediatric physical examinations, newborn care, growth and development, nutrition, immunizations, prematurity, infectious disease, behavioral problems, mental retardation, neurology, allergy, hematology, poisoning, dermatology, and pediatric gynecology.
Credit Recommendation: In the upper-division baccalaureate category, 8 semester hours in clinical practicum (6/75).

AF-0703-0011

MEDICAL SERVICE TECHNICIAN BY CORRESPONDENCE

Course Number: 90270.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum of 52 weeks.
Exhibit Dates: 11/77–Present.
Objectives: To prepare personnel to assist in patient treatment and to learn supervisory management skills at the unit level.
Instruction: This correspondence course includes the teaching of administrative skills; administration of medications; management functions and techniques of patient care; field medical care and sanitation, field preparation and disaster preparedness, oxygen therapy and resuscitation, therapy techniques; supervision of medical service activities; and preoperative and postoperative nursing. This course includes procedures found inlicensed practical nursing programs.

BEST COPY AVAILABLE

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in nursing care. Course concludes with a proctored examination (7/84).

AF-0703-0012

MEDICAL SERVICE SPECIALIST BY CORRESPONDENCE

Course Number: 90250.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum of 52 weeks.
Exhibit Dates: 4/77–Present.
Objectives: To prepare personnel to assist in nursing care and treatment of patients.
Instruction: This correspondence course teaches principles of general nursing care techniques; the student learns to assist in medical examinations and treatments; perform procedures using therapeutic equipment; peform aeromedical evacuation duties and independent duties; and learns body systems and their disorders, signs and symptoms; student also covers principles of diagnostic and therapeutic procedures; adult, geriatric,amd pediatric medicine are introduced as well as mental illness, burned patient trauma, critical care, and chronic diseases; and pathophysiology of common disorders. The course is equivalent to the basic courses commonly found in LPN programs.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in basic principles of nursing assisting. Course concludes with a proctored examination (7/84).

AF-0703-0013

NURSE ANESTHETIST

Course Number: 50AY9746.
Location: Wilford Hall USAF Medical Center, Lackland AF, TX.
Length: 104 weeks (6443–6615 hours).
Exhibit Dates: 4/84–Present.
Objectives: To instruct qualified USAF nurse corps officers in both the art and science of anesthesia so that they may become certified registed nurse anesthetists, CRNA's.
Instruction: Areas of instruction include: Hospital orientation; professional aspects of anesthesiology; anatomy and physilogy and pathophysiology; chemistry and physics and biochemistry; pharmacology; principles of anesthesia practice; basic life support, advanced cardiac life support, EKG, research paper, educational review; clinical conference, journal club, seminars, clinical experience.
Credit Recommendation: In the upper-division baccalaureate category 6 semester hours in anatomy/physiology I, 6 in anatomy/physiology II, 3 in pathophysiology, 4 in chemistry/physics/biochemistry; of digestive, neval, and respiratory systems. in the graduate degree category, 8 in pharmacology, 8 in principles of anesthesia practice, 8 semester credit hours in clinical conference/journal club, 6 in clinical experience (9/85).

AF-0704-0001

PHYSICAL THERAPY TECHNICIAN

Course Number: 3AZR91370.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 6 weeks (180 hours).
Exhibit Dates: 6/70–12/73.
Objectives: To provide physical therapy assistants with advanced training in physical therapy techniques and clinic management.
Instruction: Lectures include administrative procedures, personnel supervision, advanced anatomy, patient treatment and prognosis, and clinical procedures and therapeutic exercises.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in anatomy and physiology, 6 in physical therapy, 3 in management (2/74).

AF-0704-0002

PHYSICAL THERAPY SPECIALIST

Course Number: 3ABR91330.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: *Version 1:* 15 weeks (428 hours). *Version 2:* 10 weeks (300 hours).
Exhibit Dates: *Version 1:* 9/69–12/73. *Version 2:* 6/67–8/69.
Objectives: To train enlisted personnel to assist physical therapists in clinics.
Instruction: Lectures and practical exercises in neurological system and musculoskeletal system anatomy, rehabilitation procedures, exercises and otner therapeutic procedures, and medical and surgical conditions necessary in treating musculo-skeletal and neurological disorders.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in first aid or disaster training, 30 in physical therapy assisting, and credit in nursing on the basis of institutional evaluation (2/74). *Version 2.* In the upper-division baccalaureate category, 2 semester hours in anatomy or physiology, and credit in physical therapy on the basis of institutional evaluation (12/68).

AF-0705-0001

RADIOLOGY TECHNICIAN

Course Number: AAR90370-1; AAR90370; AA90370.
Location: Medical Service School, Sheppard AFB, TX; School of Aviation Medicine, Gunter AFB, AL.
Length: 9–16 weeks (270–624 hours).
Exhibit Dates: 10/56–12/73.
Objectives: To provide radiology personnel with advanced training in radiologic technology.
Instruction: Lectures and practical exercises in radiographic fundamentals anatomy and physiology, radiographic techniques, special radiographic positions, special equipment and procedures, radiation protections, and administration.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in elementary anatomy and physiology (12/68).

AF-0705-0002

1. RADIOLOGY SPECIALIST
2. RADIOLOGY SPECIALIST

Course Number: *Version 1:* 3ABR90330 *Version 2:* ABR90330-1; ABR90330.
Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX.
Length: *Version 1:* 18 weeks (545 hours). *Version 2:* 12–14 weeks (420–439 hours).
Exhibit Dates: *Version 1:* 9/71–12/73. *Version 2:* 1/63–8/71.
Objectives: To train airmen as radiology specialists.
Instruction: *All Versions:* Lectures and practical exercises in radiology, including radiographic fundamentals and procedures. *Version 1:* Topics include medical service fundamentals, osteology and radiographic considerations of the upper extremity, control of film quality, osteology and radiographic consideration of the lower extremity and pelvic girdle, osteology and radiographic considerations of the thorax, osteology and radiographic considerations of the skull and facial bones, and anatomy and physiology. *Version 2:* Topics include disaster medicine.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in physics, 2 in anatomy and physiology (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in anatomy and physiology (12/68).

AF-0706-0001

OPHTHALMOLOGY SURGICAL TECHNICIAN

Course Number: AZY91270.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 5 weeks (200 hours).
Exhibit Dates: 7/69–Present.
Objectives: To prepare ophthalmology assistants to aid, under supervision, in the diagnosis, care, and treatment of ophthalmology patients.
Instruction: Practical application of routine visual testing: fitting and adjusting glasses; administration of eye drops and ointments; emergency care and dressings; preoperative preparation; assisting the ophthalmologist in surgical procedures; and care and maintenance of equipment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in photography, 2 in anatomy and physiology of the eye, 2 in ophthalmic dispensing, 1 in optics, and 2 in clinical assisting (2/78).

AF-0706-0002

OPTOMETRY SPECIALIST

Course Number: 3ABR91235.
Location: Sheppard Technical Training Center, Sheppard AFB, TX.
Length: 14 weeks (425 hours).
Exhibit Dates: 6/71–12/73.
Objectives: To train airmen to assist in an ophthalmological clinic or physician's office.
Instruction: Lectures and practical exercises in basic ocular anatomy and physiology; basic optics; use and maintenance of optometric testing equipment; visual therapy; medical ethics; asepsis; ocular first aid and emergency treatment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (5/73).

AF-0707-0001

MILITARY ASPECTS OF SANITARY AND INDUSTRIAL HYGIENE ENGINEERING

Course Number: OBR9121.
Location: Medical Service School, Gunter AFB, AL.
Length: 8 weeks (320 hours).
Exhibit Dates: 8/62–12/68.
Objectives: To provide the essential knowledge and skills necessary to perform sanitary and industrial hygiene duties.
Instruction: Aerospace medicine, including aviation medicine training; entomology; principles of medicine and surgery; veterinary training; and radiological health, including disaster medicine.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in community sanitation (12/68).

BEST COPY AVAILABLE

AF-0707-0003

BIO-ENVIRONMENTAL ENGINEERING

Course Number: OBY9121.
Location: School of Aerospace Sciences, Brooks AFB, TX.
Length: *Version 1:* 16 weeks (608 hours). *Version 2:* 16 weeks (605–608 hours).
Exhibit Dates: *Version 1:* 3/75–Present. *Version 2:* 9/68–2/75.
Objectives: To prepare engineers to practice bioenvironmental engineering in support of the Air Force aerospace medicine program.
Instruction: *All Versions:* Lectures on acoustics, physiology, biometrics, sanitary engineering and hygiene, general and environmental chemistry, and human engineering, and the application of biological and engineering principles to aviation environments. *Version 1:* Includes ecology.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in physical sciences, 4 in chemistry, 4 in biological sciences, 3 in occupational health, and 3 in administration (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 4 semester hours in physical science, 4 in chemistry, 4 in biological science, 4 in aviation science, 2 in industrial psychology, and additional credit in aviation science on the basis of institutional evaluation (2/74); in the upper-division baccalaureate category, 4 semester hours in physical science, 4 in chemistry, 4 in biological science, 4 in aviation science, 2 in industrial psychology, and additional credit in aviation science on the basis of institutional evaluation (2/74).

AF-0707-0004

PREVENTIVE MEDICINE TECHNICIAN

Course Number: AAY90770; AA90770.
Location: School of Aerospace Medicine, Brooks AFB, TX; Medical Service School, Gunter AFB, AL.
Length: 11–12 weeks (407–495 hours).
Exhibit Dates: 2/55–2/78.
Objectives: To train enlisted personnel as preventive medicine technicians.
Instruction: Lectures and practical exercises in preventive medicine, including management of the aerospace medicine program, military public health, water and waste disposal, medical entomology, occupational health, atmospheric sampling, and radiological health.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in sanitary bacteriology, 2 in elementary preventive medicine (7/74); in the upper-division baccalaureate category, 3 semester hours in sanitary bacteriology, 2 in elementary preventive medicine (12/68).

AF-0707-0005

1. PREVENTIVE MEDICINE SPECIALIST
2. PREVENTIVE MEDICINE SPECIALIST
3. APPRENTICE PREVENTIVE MEDICINE SPECIALIST
4. APPRENTICE PREVENTIVE MEDICINE SPECIALIST

Course Number: *Version 1:* ABY90730. *Version 2:* ABY90730; ABR90730. *Version 3:* AB90730. *Version 4:* AB90730.
Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aerospace Medicine, Brooks AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 10 weeks (358 hours). *Version 2:* 10 weeks (371–376 hours). *Version 3:* 14 weeks (546 hours). *Version 4:* 16 weeks (624 hours).
Exhibit Dates: *Version 1:* 11/68–8/73. *Version 2:* 5/62–10/68. *Version 3:* 11/57–4/62. *Version 4:* 2/55–10/57.
Objectives: To train personnel as preventive medicine specialists.
Instruction: *All Versions:* Lectures and practical exercises in the duties of preventive medicine specialists, including bio-environmental engineering, disaster medicine, medical entomology, occupational health programs, radiological health programs, and sanitary engineering. *Version 1:* Topics include acoustics, basic orientation, disease epidemiology, educational methods, environmental surveys, fundamentals of science, illumination, medical aspects of missile operations, and ventilation. *Version 2:* Topics include preventive medicine, aircraft accident investigation, medical administration, field training, and military public health. *Version 3:* Topics include aeromedical evacuation, aeronautical sciences, aviation medicine, dental administration, educational advisory staff, medical materiel, typing, unit and personnel administration, medical laboratory, medical passive defense, nursing, preventive medicine, biostatistics, basic mathematics and chemistry, industrial hygiene, water supply and swimming pool sanitation, food service, military epidemiology, and veterinary service. *Version 4:* Topics include aeromedical evacuation, anatomy and physiology, aviation medicine, clinical dentistry, medicine and surgery, nursing preventive medicine, medical administration, unit and personnel administration, typing, medical materiel, medical laboratory, preventive medicine, military epidemiology, basic mathematics and chemistry, industrial hygiene, water supply and swimming pool sanitation, biostatistics, food service facilities, radiobiology, leadership and training management, leadership through group control, and veterinary service.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 4 semester hours in public health, 3 in OSHA/radiological control, and 3 in sanitary engineering (7/74); in the upper-division baccalaureate category, 4 semester hours in public health, 3 in OSHA/radiological control, and 3 in sanitary engineering (7/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in preventive medicine and 2 in sanitary bacteriology (7/74); in the upper-division baccalaureate category, 2 semester hours in elementary preventive medicine and 2 in sanitary bacteriology (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in elementary preventive medicine and 2 in sanitary bacteriology (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in elementary preventive medicine and 2 in sanitary bacteriology (12/68).

AF-0707-0006

INDUSTRIAL HYGIENE MEASUREMENTS

Course Number: 5AZY907X0-2.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 2 weeks (61–72 hours).
Exhibit Dates: 7/76–Present.
Objectives: To provide training of officers in the evaluation and control of industrial hazards.
Instruction: Lectures and practical exercises in occupational health, atmospheric sampling, toxicology, ventilation, and illumination.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in industrial hygiene (2/78).

AF-0707-0007

ENVIRONMENTAL PROTECTION

Course Number: 5AZY907X0-1.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 8/76–Present.
Objectives: To train personnel in environmental monitoring techniques.
Instruction: Lectures and practical exercises in federal, state, and local regulations, and sampling techniques in relation to solid waste disposal and air, water, and noise pollution.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in environmental monitoring techniques (2/78).

AF-0707-0008

ENVIRONMENTAL HEALTH SPECIALIST

Course Number: 5ABY90730.
Location: School of Aerospace Medicine, Brooks AFB, TX.
Length: 11 weeks (339 hours).
Exhibit Dates: 9/73–Present.
Objectives: To train personnel to develop knowledge for public health and occupational health surveys.
Instruction: Lectures and practical exercises in fundamentals of science, acoustics, epidemiology, environmental engineering, medical zoology, and pesticide technology.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in medical zoology, 2 in sanitation, 2 in acoustics, 5 in health, 2 in industrial hygiene, and 2 in physical sciences (2/78).

AF-0709-0001

DIET THERAPY SPECIALIST

Course Number: 3ABR62231-1; 3ABR62231.
Location: Technical Training Center, Sheppard AFB, TX.
Length: 11–13 weeks (338–428 hours).
Exhibit Dates: 9/69–12/73.
Objectives: To train enlisted personnel in food service administration.
Instruction: Lectures and practical exercises in medical food service administration; basic and applied clinical nutrition; diet modifications and revisions, introduction to cooking standard recipes, food production, and services; and food ordering and purchasing.
Credit Recommendation: In the upper-division baccalaureate category, 9 semester hours in food service, hotel-motel management, or diet therapy, 3 in nutrition nursing (2/74).

AF-0709-0003

PHARMACY TECHNICIAN

Course Number: *Version 1:* 3AAR90570-1. *Version 2:* AAR90570.
Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.
Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 16 weeks (584–594 hours).

BEST COPY AVAILABLE

Exhibit Dates: *Version 1:* 2/72–12/73. *Version 2:* 7/63–1/72.

Objectives: To train airmen in the compounding, dispensing, and manufacturing of pharmaceutical preparations.

Instruction: Lectures and practical exercises in pharmacy management and administration, pharmaceutical calculations and chemistry, pharmacological principles, and pharmaceutical dispensing.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in pharmacology nursing, 10 in pharmacy, additional credit on the basis of institutional evaluation (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in pharmaceutical chemistry, 2 in pharmacy laboratory, 1 in pharmaceutical mathematics (12/68).

AF-0709-0005

1. Medical Materiel Specialist
2. Medical Materiel Specialist (Apprentice Medical Materiel Specialist)

Course Number: *Version 1:* 3ABR91530. *Version 2:* ABR91530-1; ABR90631; AB90631.

Location: *Version 1:* Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX; *Version 2:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 10 weeks (305–308 hours). *Version 2:* 6–10 weeks (180–390 hours).

Exhibit Dates: *Version 1:* 2/71–12/73. *Version 2:* 5/54–1/71.

Objectives: To train airmen in the procedures and methodology of accounting, requisitioning, document control, stock control, equipment management, and related procedures of a medical supply account.

Instruction: *All Versions:* Organization of medical materiel; procurement procedures; inventory control; equipment management and maintenance. *Version 1:* This version includes data processing. *Version 2:* Data processing and maintenance of office machines are included.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 10 semester hours in hospital administration, 2 in first aid (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-0709-0010

Operating Room Specialist

Course Number: *Version 1:* ABR90232-1; ABR90232. *Version 2:* ABR90232.

Location: *Version 1:* Medical Service School, Sheppard AFB, TX; *Version 1:* Medical Service School, Gunter AFB, AL. *Version 2:* 3275th Technical School, Lackland AFB, TX.

Length: *Version 1:* 10–11 weeks (300–415 hours). *Version 2:* 12 weeks (436 hours).

Exhibit Dates: *Version 1:* 6/62–3/70. *Version 2:* 1/59–5/62.

Objectives: To train airmen to function in surgery as operating room technicians.

Instruction: Lectures and practical exercises in aseptic techniques; cleaning and preparation of packs and supplies; sterilization, care, and use of instruments; care and use of equipment; operative procedures; and care of the patient.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in anatomy, physiology, and hygiene (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (12/68).

AF-0709-0011

Aeromedical Evacuation Technician

Course Number: 5AZY902X0.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 5–6 weeks (171–196 hours).

Exhibit Dates: 7/70–Present.

Objectives: To provide airmen with skills and knowledge necessary to function as members of an aerospace evacuation team.

Instruction: Lectures and practical exercises covering physiological education, aerospace nursing, preventive medicine, flying safety, and administration and training in survival.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in health science and 1 in administration/management (2/78).

AF-0709-0012

Aeromedical Technician

Course Number: AA90170.

Location: School of Aerospace Medicine, Brooks AFB, TX. School of Aviation Medicine, Gunter AFB, AL.

Length: 11 weeks (429 hours).

Exhibit Dates: 5/55–4/68.

Objectives: To train aeromedical specialists or aeromedical evacuation specialists to assume supervisory duties in a flight surgeon's office or to perform air evacuation duties.

Instruction: Lectures and practical exercises in aeronautical sciences, aviation medicine, clinical dentistry, medicine and surgery, preventive medicine, nursing, and medical administration.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in first aid and hygiene (12/68).

AF-0709-0014

1. Pharmacy Specialist
2. Pharmacy Specialist
3. Pharmacy Specialist
4. Pharmacy Specialist (Apprentice Pharmacy Specialist)

Course Number: *Version 1:* 3ABR90530. *Version 2:* 3ABR90530. *Version 3:* ABR90530-1. *Version 4:* ABR90530; AB90530.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* Medical Service School, Sheppard AFB, TX. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 15 weeks (488 hours). *Version 3:* 12 weeks (360 hours). *Version 4:* 14–18 weeks (571–702 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 1/71–6/73. *Version 3:* 7/67–12/70. *Version 4:* 8/55–6/67.

Objectives: To provide students with specialized training in the dispensing, compounding, and proper use of drugs.

Instruction: Lectures on anatomy and physiology; basic pharmacology mathematics; inorganic and organic chemistry; effects of drugs on human systems; practical exercises in the compounding and dispensing of drugs; and pharmacy maintenance and operation.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 15 semester hours in pharmacy, 3 in physiology and anatomy, 3 in nursing pharmacology, and additional credit in pharmacy on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene, 2 in pharmaceutical mathematics, 2 in pharmaceutical chemistry, 3 in pharmacology (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in pharmaceutical mathematics, 2 in pharmaceutical chemistry, 1 in pharmacology (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in pharmaceutical mathematics, 2 in pharmaceutical chemistry, 1 in pharmacology (12/68).

AF-0709-0015

1. Medical Service Specialist
2. Medical Service Specialist
3. Apprentice Medical Service Specialist

Course Number: *Version 1:* 3ABR90230. *Version 2:* ABR90230. *Version 3:* AB90230.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL; *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 10–13 weeks (308–398 hours). *Version 2:* 9–10 weeks (351–360 hours). *Version 3:* 11–13 weeks (429–507 hours).

Exhibit Dates: *Version 1:* 6/69–12/73. *Version 2:* 5/62–5/69. *Version 3:* 3/54–4/62.

Objectives: To train airmen as professional assistants in medical and clinical patient care and treatment.

Instruction: First aid and disaster treatment; nursing fundamentals; medical and surgical nursing; obstetrical and pediatric nursing; outpatient and emergency services.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in nursing on the basis of institutional evaluation (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in physiology and hygiene (12/68).

AF-0709-0016

1. Physiological Training Specialist
2. Physiological Training Specialist
3. Physiological Training Specialist (Apprentice Physiological Training Specialist)

Course Number: *All Versions:* ABY91130. *Version 1:* 5ABY91130. *Version 2:* 5ABY91130. *Version 3:* ABR90132; AB90130.

Location: School of Aerospace Medicine, Brooks AFB, TX. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 5 weeks (157 hours). *Version 2:* 5–6 weeks (196–236 hours). *Version 3:* 6–7 weeks (214–236 hours).

Exhibit Dates: *Version 1:* 5/75–Present. *Version 2:* 11/68–4/75. *Version 3:* 7/54–10/68.

Objectives: To train qualified airmen to assist supervisors in the operation of a physiological training unit.

Instruction: Lectures and practical experience in operation of physiological training devices; inside observation during low pressure chamber flights; conduct of lectures, discussions, and demonstrations for flying personnel; and preparation and maintenance of records.

BEST COPY AVAILABLE

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in administration, 2 in environmental physiology, 4 in operating special instruments (2/78). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in aviation physiology (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in aviation physiology (12/68)

AF-0709-0017

PHYSIOLOGICAL TRAINING OFFICER

Course Number: *All Versions:* OBY9161. *Version 1:* 5OBY9161.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 6–7 weeks (235–315 hours). *Version 2:* 7 weeks (258–312 hours).

Exhibit Dates: *Version 1:* 7/68–10/78. *Version 2:* 9/54–6/68.

Objectives: To develop the skills and knowledge to assist supervisory physiological training personnel in operating a physiological training unit.

Instruction: *Version 1:* Lectures and practical experiences in altitude physiology, operation of training devices and instruments, instructional techniques, protective equipment and unit management. *Version 2:* Lectures in physics of the atmosphere and gases; general anatomy and medical terminology; the nervous system and special senses; respiration and circulation; biodynamics; hyperbaric physiology; additional lectures and practical exercises in clinical medicine; aircraft escape, accident prevention and investigation; and oxygen equipment.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in operation of special instrumentation (2/78); in the upper-division baccalaureate category, 1 semester hour in administration/management, 2 in cardiopulmonary anatomy and physiology, and 1 in physiology of special senses (2/78). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in aviation physiology (2/74).

AF-0709-0018

MEDICAL ASPECTS OF FOOD HANDLING

Course Number: 3AZR90870-2.

Location: School of Aerospace Medicine, Brooks AFB, TX; School of Health Care Sciences, Sheppard AFB, TX.

Length: 2 weeks (60–64 hours).

Exhibit Dates: 9/72–Present.

Objective: To train enlisted personnel in food handling and food service sanitation.

Instruction: Lectures and practical exercises in food microbiology, preservation, and facility sanitation; environmental hygiene; and pathology of food-borne diseases.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in food sanitation (2/78).

AF-0709-0019

ELECTAOENCEPHALOGRAPHIC SPECIALIST

Course Number: AZR90237.

Location: Air Training Command, Lackland AFB, TX.

Length: 9 weeks (270 hours).

Exhibit Dates: 7/59–12/68.

Objectives: To provide airmen with the skills and knowledge required to perform as electroencephalographic specialists.

Instruction: Lectures on the principles of neurological anatomy, physiology, pathology, neuropsychiatric diseases and disorders, management of electroencephalographic equipment, and laboratory procedures; and clinical practice in all electroencephalographic duties.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in neurological anatomy, physiology, and pathology, additional credit in clinical practice for EEG specialist on the basis of institutional evaluation (2/74).

AF-0709-0021

ORTHOPAEDIC APPLIANCE SPECIALIST

Course Number: ABY91332.

Location: Wilford Hall Hospital, Lackland AFB, TX.

Length: 50 weeks (1960 hours).

Exhibit Dates: 3/67–12/73.

Objectives: To train airmen as orthopedic appliance specialists.

Instruction: Lectures and practical exercises in the duties of orthopedic appliance specialists, including anatomy and physiology, arch supports, back braces, introduction to materials, application of plaster of Paris, lower and upper extremity appliances, leather technique, miscellaneous appliances, shop equipment, shoe modification, and patient relationships.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in anatomy and physiology, and credit in industrial arts on the basis of institutional evaluation (7/74).

AF-0709-0022

PHYSIOLOGICAL TRAINING SUPERVISOR

Course Number: 5AAY91170; AAY91170; AA90172.

Location: School of Aerospace Medicine, Brooks AFB, TX; School of Aviation Medicine, Gunter AFB, AL.

Length: 4–6 weeks (141–234 hours).

Exhibit Dates: 9/56–12/75.

Objectives: To train enlisted personnel to supervise physiological training.

Instruction: Lectures and practical exercises in the supervision of physiological training. Course includes a review of basic physiological principles; extensive indoctrination in the more advanced practices and procedures of aviation physiology; and new equipment used in coordinating the physiological training program.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in aviation physiology (12/68).

AF-0709-0023

MEDICAL SERVICE TECHNICIAN

Course Number: *Version 1:* 3AZR90270-1. *Version 2:* AAR90270. *Version 3:* AA90270.

Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 13 weeks (390 hours). *Version 2:* 17 weeks (600–680 hours). *Version 3:* 19 weeks (741 hours).

Exhibit Dates: *Version 1:* 4/69–12/73. *Version 2:* 1/63–3/69. *Version 3:* 8/55–12/62.

Objectives: To train enlisted personnel to supervise medical treatment facilities.

Instruction: *All Versions:* Lectures and practical exercises in preventive medicine, medical administration, nursing principles, and psychiatric nursing. *Version 1:* Instruction includes personal, family, and community health; and care of mothers and newborn babies. *Version 2:* Instruction includes anatomy and physiology, medicine and surgery, disaster medicine, and surgical nursing.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in medical nursing, 6 in surgical nursing, 3 in maternal child care, 1 in community public health (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in elementary anatomy, 2 in elementary physiology, 1 in preventive medicine (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in elementary anatomy, 2 in elementary physiology, 1 in preventive medicine (12/68).

AF-0709-0024

1. AEROMEDICAL SPECIALIST
2. AEROMEDICAL SPECIALIST
3. AEROMEDICAL SPECIALIST (Apprentice Aeromedical Specialist)
4. APPRENTICE AEROMEDICAL SPECIALIST

Course Number: *Version 1:* 5ABY90130. *Version 2:* 5ABY90130; ABY90130. *Version 3:* ABY90130; AB90130. *Version 4:* AB90130.

Location: *Version 1:* School of Aerospace Medicine, Brooks AFB, TX. *Version 2:* School of Aerospace Medicine, Brooks AFB, TX. *Version 3:* School of Aerospace Medicine, Brooks AFB, TX. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 7 weeks (272 hours). *Version 2:* 7–9 weeks (227–342 hours). *Version 3:* 7–9 weeks (265–351 hours). *Version 4:* 7–9 weeks (265–351 hours).

Exhibit Dates: *Version 1:* 10/77–Present. *Version 2:* 5/68–9/77. *Version 3:* 8/54–4/68. *Version 4:* 8/54–4/68.

Objectives: To train enlisted personnel to the semi-skilled level in the aerospace medicine career specialty.

Instruction: Lectures and practical exercises in aerospace medicine, including anatomy and physiology, aerospace personnel care and treatment, aerospace physiology, military public health and occupational medicine, and disaster casualty control.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in anatomy and physiology, 1 in administration/management, 5 in first aid and hygiene, and 1 in audiometry (2/78). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in anatomy and physiology, 2 in first aid and hygiene, both on the basis of institutional evaluation (7/74); in the upper-division baccalaureate category, 2 semester hours in anatomy and physiology, 2 in first aid and hygiene, both on the basis of institutional evaluation (7/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in first aid and hygiene (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in first aid and hygiene (12/68).

AF-0709-0026

BASIC PARARESCUEMAN

Course Number: 92330.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 8 weeks (408 hours).

BEST COPY AVAILABLE

Exhibit Dates: 9/74–Present.

Objectives: To provide training in basic pararescue procedures.

Instruction: Training in recognition and treatment of a full range of medical emergency situations, including shock, chest injuries, occular injuries, spinal and head injuries, comas, gastric ulcers and poisons, burns, fractures, childbirth, wounds, and infections; jump training to include care and preparation of equipment, day jumps, night jump, scuba jump, and tree jump; and mountain rescue and ground operations to include mountaineering knots, rope management, rappeling, and mountain navigation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in emergency medical technician (6/75).

AF-0709-0027

MEDICAL ADMINISTRATIVE SPECIALIST BY CORRESPONDENCE

Course Number: 90650.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum of 52 weeks.

Exhibit Dates: 7/83–Present.

Objectives: To prepare the student to serve as a medical officer or unit manager.

Instruction: This correspondence course includes organization of facilities, personnel administration, written and oral communication, medical terminology, data collection and reporting to include biostatistical data collection, supply equipment,and bookkeeping control. Course is similar to those found in programs for medical office assistants.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in principles of medical office management. Course concludes with a proctored end of course examination (9/84).

AF-0709-0028

APPRENTICE MEDICAL ADMINISTRATIVE SPECIALIST BY CORRESPONDENCE

Course Number: 90630.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum of 52 weeks.

Exhibit Dates: 4/77–Present.

Objectives: To teach enlisted personnel to serve as medical administrators.

Instruction: This correspondence course includes administration organization and controls, covering interpersonal relations, telecommunications, official mail, eligibility and appointments for medical care; also covers introduction to medical records to include movement of inpatient records between facilities, inpatient treatment forms, coding inpatient treatment forms; admission procedures, notification procedures, line of duty, third-party liability, and injury reporting for outpatients; also covers introduction to typing and unit clerk functions in bookkeeping including medical resource management and first aid.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in introduction to medical administration. Course concludes with a proctored examination (9/84).

AF-0799-0002

GLOBAL MEDICINE

Course Number: 5OZY9336.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 2 weeks (78 hours).

Exhibit Dates: 4/72–Present.

Objectives: To inform medical officers of significant disease problems of importance to military operations throughout the world.

Instruction: Lectures on certain diseases (particularly those not normally familiar to American physicians) and their epidemiology; disease management, treatment, and control measures; area studies; drug abuse; combat psychiatry; arthropod and rodent control; burn treatment; surgical care for missile wounds; nutrition and population; and preventive medicine.

Credit Recommendation: In the graduate degree category, 3 semester hours in public health epidemiology (2/78).

AF-0799-0004

1. MEDICAL ADMINISTRATIVE SPECIALIST
2. MEDICAL ADMINISTRATIVE SPECIALIST
3. APPRENTICE MEDICAL ADMINISTRATIVE SPECIALIST

Course Number: *Version 1:* 3ABR90630. *Version 2:* ABR90630-1; ABR90630. *Version 3:* AB90630; AB90631.

Location: *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 9 weeks (308 hours). *Version 2:* 6 weeks (180–240 hours). *Version 3:* 7–9 weeks (273–351 hours).

Exhibit Dates: *Version 1:* 4/70–12/73. *Version 2:* 10/65–3/70. *Version 3:* 4/54–9/65.

Objectives: To train airmen in the fundamental duties of medical administrative specialists.

Instruction: Lectures and practical exercises in general administration; typing and formats; administrative control of patients and beds; and medical service fundamentals, including field casualty care and medical field exercises.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in office procedures (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in office procedures (2/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in office procedures (2/74).

AF-0799-0005

BASIC COURSE IN MEDICAL SERVICE ADMINISTRATION
(Basic Course in Medical Administration)

Course Number: OBR9021.

Location: Medical Service School, Gunter AFB, AL; School of Aviation Medicine, Gunter AFB, AL.

Length: 15 weeks (585–600 hours).

Exhibit Dates: 1/55–12/68.

Objectives: To train newly commissioned officers in medical services administration, including the operation of medical care facilities and the supervision of direct support activities.

Instruction: Lectures and practical exercises in management, material and food service, housekeeping, administrative assistance to specialized medical services, and patient care administration.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in medical administration (12/68).

AF-0799-0007

COMPRESSION CHAMBER TEAM TRAINING

Course Number: 5OZY9300-7.

Location: School of Aerospace Medicine, Brooks AFB, TX.

Length: 2 weeks (76–78 hours).

Exhibit Dates: *Version 1:* 12/77–Present. *Version 2:* 3/72–11/77.

Objectives: To train a technical team to operate and maintain compression chambers, to act as observers during chamber operation, and to participate in the treatment of patients by compression therapy.

Instruction: *All Versions:* Lectures in hyperbaric physiology and clinical medicine; practical exercises in high-pressure chambers and unit administration. *Version 1:* Includes chamber operation and maintenance.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in biological sciences, 1 in physical sciences, and 2 in operating special instrumentation (2/78). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in physical science (2/74).

AF-0802-0001

1. DISASTER PREPAREDNESS SPECIALIST (REMOTE DUTY)
   (Disaster Preparedness Specialist (Additional Duty))
   (Disaster Control Specialist)
2. DISASTER CONTROL SPECIALIST
   (Disaster Preparedness Specialist)
3. DISASTER CONTROL INSTRUCTOR
4. DISASTER CONTROL INSTRUCTOR

Course Number: *Version 1:* 3AZR24230. *Version 2:* AZR24230. *Version 3:* AZR46150. *Version 4:* AZR46150; SS46150-11.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 4–5 weeks (120–150 hours). *Version 2:* 8 weeks (240 hours). *Version 3:* 15 weeks (450 hours). *Version 4:* 6 weeks (180 hours).

Exhibit Dates: *Version 1:* 7/68–12/73. *Version 2:* 12/66–6/68. *Version 3:* 7/60–11/66. *Version 4:* 3/58–6/60.

Objectives: To train enlisted personnel to be disaster preparedness specialists and disaster control instructors.

Instruction: *All Versions:* Lectures and practical exercises in disaster preparedness and control operations, individual and collective protection, decontamination and monitoring procedures, and weapons effects. *Version 2:* Instruction includes radiological safety practices and procedures. *Version 3:* Instruction includes casualty and damage prevention, with emphasis on instructor training fundamentals and application. *Version 4:* Instruction includes a brief introduction to biological, chemical, and radiological defense, and instructor training in these areas.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in occupational health and safety on the basis of institutional evaluation (5/74). *Version 2:* In the upper-division baccalaureate category, credit in protective service on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in instructional methods, speech, and protective service on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, credit in instructional methods and protective service on the basis of institutional evaluation (12/68).

AF-0802-0002

BEST COPY AVAILABLE

1. DISASTER PREPAREDNESS SPECIALIST
2. DISASTER CONTROL SPECIALIST (Disaster Preparedness Specialist)
3. DISASTER CONTROL SPECIALIST

Course Number: *Version 1:* 3ALR24230. *Version 2:* 3ALR24230; ALR24230. *Version 3:* ALR24230.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 6 weeks (192–198 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 17 weeks (510 hours).

Exhibit Dates: *Version 1:* 10/70–12/73. *Version 2:* 12/66–9/70. *Version 3:* 1/63–11/66.

Objectives: To train enlisted personnel in aspects of disaster preparedness and control.

Instruction: *All Versions:* Lectures and practical exercises in disaster preparedness, effects of nuclear and nonnuclear weapons and dangerous materials, decontamination and monitoring, and individual and collective protection. *Version 2:* Includes instruction in the conducting of formal classes in disaster preparedness or control, and in the development of training aids for these classes. *Version 3:* Includes instruction in the conducting of formal classes in disaster preparedness or control, and in the development of training aids for these classes.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in occupational health and safety on the basis of institutional evaluation (5/74). *Version 2:* In the upper-division baccalaureate category, credit in instructional methods and protective service on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, credit in institutional methods, speech, and protective service on the basis of institutional evaluation (12/68).

AF-0802-0004

PASSIVE DEFENSE INSTRUCTOR

Course Number: XX46132; AL46172.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6–7 weeks (180–210 hours).

Exhibit Dates: 4/55–12/68.

Objectives: To train airmen in defense measures against possible chemical, biological, and radiological warfare.

Instruction: Lectures and practical exercises in defense measures against possible chemical, biological, and radiological warfare, including detection and classification of chemical agents, first aid, outline of basic nuclear physics, radioactive emissions, radiation effects, dosage, monitoring, and biological defense.

Credit Recommendation: In the upper-division baccalaureate category, credit in instructional methods and protective service occupations on the basis of institutional evaluation (12/68).

AF-0802-0007

MISSILE SAFETY TECHNICIAN

Course Number: ATS24170-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 15 weeks (450 hours).

Exhibit Dates: 6/62–12/68.

Objectives: To train enlisted personnel to perform missile safety surveillance duties at ballistic missile sites.

Instruction: Lectures and practical exercises in missile safety surveillance at ballistic missile sites, including basic mathematics, physics, fluid mechanics, electricity, chemistry, construction practices applicable to construction and operation of missile facilities, propulsion systems principles, industrial safety, industrial hygiene and human factors, and safety management.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in industrial safety management (12/68).

AF-0802-0008

BALLISTIC MISSILE SAFETY

Course Number: AZR24130B.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 2/63–12/68.

Objectives: To train enlisted personnel as ballistic missile safety surveillance technicians.

Instruction: Lectures and practical exercises in ballistic missile safety surveillance. Topics include missile terminology, missile structures, constructional features, safety associated with missile maintenance and aerospace ground equipment, monitoring of hazardous missile operations, and nuclear safety familiarization.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in safety management (6/74).

AF-0802-0009

AIR LAUNCHED MISSILE SAFETY OFFICER

Course Number: 3OZR1945; OZR1945.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (78–90 hours).

Exhibit Dates: 6/66–9/68.

Objectives: To train officers as air launch missile safety officers.

Instruction: Lectures and practical exercises in missile safety, including fundamentals; environmental, explosives, and nuclear safety; aircraft and missile loading hazards; aircraft and missile accident investigation, surveys and survey guides and board proceedings; and safety applications.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in safety education (12/68).

AF-0802-0011

AIR LAUNCHED MISSILE SAFETY TECHNICIAN

Course Number: AAR24170-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 1–3 weeks (90 hours).

Exhibit Dates: 7/66–12/68.

Objectives: To train enlisted personnel to be air launch missile safety technicians.

Instruction: Lectures and practical exercises in missile safety, including human engineering, first aid, missile explosive hazards, aircraft loading hazards, safety management and supervision, physiology, missile fundamentals, environmental safety, and aircraft and missile accident prevention.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in safety management (12/68).

AF-0802-0016

GENERAL SAFETY SPECIALIST (Ground Safety Specialist)

Course Number: ALR24130; ALR24130A.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8–10 weeks (258–300 hours).

Exhibit Dates: 12/62–4/68.

Objectives: To train Air Force personnel to conduct installation safety programs.

Instruction: Course covers safety education, communication, and human factors; high pressure and explosive safety; industrial hygiene and safety; traffic and off-duty safety; and accident investigation and reporting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in industrial safety (12/68).

AF-0802-0018

SURVIVAL INSTRUCTOR TRAINING

Course Number: S-V81-A; 140001.

Location: Air Training Command, Fairchild AFB, WA; Air Training Command, Stead AFB, NV.

Length: 21–24 weeks (613–628 hours).

Exhibit Dates: 6/65–Present.

Objectives: To qualify selected airmen as instructors in the techniques and procedures of global survival and as rescue and survival specialists.

Instruction: Lectures and practical exercises in the principles and techniques of survival; anatomy, physiology, first aid; global geography; evasion, resistance, and escape; and survival teaching methods.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in instructional methods, 3 in survival techniques including woodcraft and camp training, winter survival, and recreation (7/74).

AF-0803-0003

SURVIVAL TRAINING
(Survival Training (SEA))
(Advanced Survival Training)
(USAF Combat Survival Training)

Course Number: S-V80-A; S-V85-A; 140000.

Location: Air Training Command, Fairchild AFB, WA; Air Training Command, Stead AFB, NV.

Length: 2–4 weeks (9–216 hours).

Exhibit Dates: 2/55–Present.

Objectives: To prepare selected flying personnel in the principles, procedures, and equipment necessary to survive in any climate.

Instruction: Lectures and practical exercises in survival principles and procedures; recovery and evasion; code of conduct; survival factors; psychological aspects of survival; special problems; medicine and hygiene; parachuting principles and practice; maps; and food procurement.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in camp training and survival techniques (10/77).

AF-0902-0001

EXECUTIVE HOSPITAL HOUSEKEEPER

Course Number: 3AZR90670.

Location: Medical Service School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/68–12/73.

Objectives: To train enlisted personnel in the supervision of housekeeping personnel in medical treatment facilities.

Instruction: Lectures in organization and management of housekeeping services, maintenance, sanitation, and safety.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in industrial hygiene (12/68).

BEST COPY AVAILABLE

AF-1113-0001

GROUND C-E-M MAINTENANCE ANALYSIS TECHNICIAN

Course Number: ALR30950.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 4 weeks (120 hours).
Exhibit Dates: 6/67–12/73.
Objectives: To train maintenance personnel as ground C-E-M maintenance analysis technicians.
Instruction: Lectures and practical exercises in ground C-E-M maintenance analysis, including analysis, interpretation, and summary of data from data collection systems, monitoring and direction of analysis activities, identification of areas for development; charts, tables, graphs, and related visual media for presentation of analysis results, summary preparation, presentation of results, determination of effectiveness and efficiency, and analysis of status and configuration management system reports.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in statistical analysis (12/68).

AF-1115-0001

1. MAINTENANCE ANALYSIS SPECIALIST
2. MAINTENANCE ANALYSIS SPECIALIST (Aircraft and Missile Maintenance Analysis Specialist)

Course Number: *Version 1:* 3ABR39130. *Version 2:* 3ABR43430; ABR43430; ALR43430.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 11 weeks (330 hours). *Version 2:* 7–13 weeks (228–360 hours).
Exhibit Dates: *Version 1:* 7/70–12/73. *Version 2:* 2/61–6/70.
Objectives: To train enlisted personnel in basic statistical analysis and its application to aerospace weapons systems and motor transportation.
Instruction: Lectures and practical demonstrations in basic statistical analysis and maintenance analysis, including frequency distribution, dispersion, points and curves, control charts, maintenance documentation, data systems, management concepts, graphic presentations, and data processing for maintenance reporting.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in introductory statistics (2/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in statistical analysis (12/68).

AF-1115-0002

RELIABILITY

Course Number: 435.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (96 hours).
Exhibit Dates: 1/69–6/74.
Objectives: To provide officers and civilian personnel with an understanding of the theory of reliability, and the skills to employ the techniques of reliability in solving problems and carrying out reliability programs.
Instruction: Lectures and practical exercises in the study of statistical distributions; reliability allocation and distribution techniques; test plans, O.C. curves, and the use of Mil Standards; data analysis; construction and interpretation of confidence intervals; applications of mathematical models; and reliability program management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in quality control or applied statistics (2/74).

AF-1115-0003

RELIABILITY MAINTAINABILITY

Course Number: 3OZR2895G.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 2 weeks (90 hours).
Exhibit Dates: 3/68–12/73.
Objectives: To train enlisted personnel in developing, monitoring, and contracting reliability and maintainability of systems and subsystems from drawing board to operation.
Instruction: Lectures in basic statistics, probability functions, nonparametric estimation, mathematical estimation of parameters, stress/strength analysis, and reliability maintainability management.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in applied statistics (2/74).

AF-1115-0004

1. ADVANCED QUANTITATIVE METHODS IN COST ANALYSIS
2. ADVANCED QUANTITATIVE METHODS IN COST ANALYSIS
3. QUANTITATIVE METHODS IN COST ANALYSIS

Course Number: 189.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: *Version 1:* 4 weeks (111 hours). *Version 2:* 4 weeks (105 hours). *Version 3:* 9 weeks (200 hours).
Exhibit Dates: *Version 1:* 4/73–5/74. *Version 2:* 1/72–3/73. *Version 3:* 1/69–12/71.
Objectives: Advanced training in nonlinear and multivariate regression analysis for officers and civilian personnel having six semester hours in college-level algebra and statistics and some experience in cost analysis.
Instruction: Lectures in advanced nonlinear and multivariate regression analysis, including quadratic equations, logarithms, matrix inversions, linear and curvilinear regression, and net scatter diagrams.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in advanced quantitative methods (2/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in advanced quantitative methods (2/74); in the upper-division baccalaureate category, 3 semester hours in business statistics or economic statistics, and credit in mathematics on the basis of institutional evaluation (12/68). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in advanced quantitative methods (2/74); in the upper-division baccalaureate category, 3 semester hours in business statistics or economic statistics (12/68).

AF-1115-0005

BASIC QUANTITATIVE METHODS IN COST ANALYSIS

Course Number: 188.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (105 hours).
Exhibit Dates: 1/72–6/74.
Objectives: To provide officers with a basic understanding of the quantitative tools and techniques employed in cost estimating and analysis.
Instruction: Lectures and applications in algebraic operations, elementary statistical methods, probability, curve and sample theory, interval estimates, linear equations and regression, and variance analysis.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in basic statistics (2/74); in the upper-division baccalaureate category, credit in basic statistics on the basis of institutional evaluation (12/68).

AF-1115-0006

DATA SERVICES SPECIALIST (Statistical Specialist)

Course Number: ABR68130; AB68130.
Location: 3750th Technical School, Sheppard AFB, TX; 3415th Technical School, Lowry AFB, CO.
Length: 9–13 weeks (240–360 hours).
Exhibit Dates: 1/54–12/68.
Objectives: To train personnel in the functions and techniques of data services.
Instruction: Lectures and practical exercises in administrative procedures, Air Force reports management systems, functional area concepts and reports, punched card accounting machines and data processing familiarization, and data services case problems.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in statistical methods (12/68).

AF-1115-0007

MANAGEMENT ENGINEERING OFFICER

Course Number: *Version 1:* 3OBR7461. *Version 2:* OBR7431.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 10 weeks (300 hours).
Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 4/64–4/68.
Objectives: To train officers as management engineering officers.
Instruction: Lectures and practical exercises in the development and application of manning standards. Course includes methods, techniques, and procedures used in attaining objectives of the management engineering program; operations analysis, linear programming, engineering theory, performance rating, time study, work sampling, operational audit, and allowance computation; linear, multiple linear, and curvilinear correlation and regression analysis; and manpower allocation systems.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in statistics, 3 in quantitative methods (8/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in statistics, 3 in business organization and management (12/68).

AF-1303-0001

SPACE SYSTEMS ANALYST

Course Number: 3OBR2021.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 7–8 weeks (216–246 hours).
Exhibit Dates: 5/68–12/73.
Objectives: To provide commissioned officers with training in satellite motion, orbital analysis, data acquisition, and basic tracking concepts.
Instruction: Lectures and practical exercises in the analysis of satellite motion and orbits, and in data acquisition and basic tracking concepts. Course includes radar theory and analysis of satellite motion and orbital determination and upper-level col-

BEST COPY AVAILABLE

lege mathematics through numerical analysis and differential equations.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in applied physics, 2 in mathematical analysis (6/74).

AF-1304-0001

WEATHER OBSERVER

Course Number: 3ABR25231; AB25231; AB25230.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 15–22 weeks (426–570 hours).

Exhibit Dates: 4/55–12/73.

Objectives: To train airmen to perform as weather observers.

Instruction: Lectures and practical exercises in weather observation, including introduction to meteorology; observing, recording, and encoding weather elements; plotting weather maps, charts, and diagrams; care and operation of weather instruments; electronic weather equipment; weather radar; data evaluation; noninstrumental observation; and operation of standard weather communications equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in meteorology (12/68).

AF-1304-0002

WEATHER FORECASTER
(Weather Technician)
(Weather Forecaster Technician)

Course Number: 3ALR25330; ALR25330; AL25330.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 32–44 weeks (960–1320 hours).

Exhibit Dates: 3/56–12/73.

Objectives: To train weather observers and airborne weather operators in meteorological theory and forecasting procedures.

Instruction: Lectures and practical exercises in meteorological theory and forecasting procedures, including climatology, mathematics and physics, weather data analysis, synoptic meteorology, operational weather, advanced weather analysis, and weather equipment and facilities.

Credit Recommendation: In the upper-division baccalaureate category, 17 semester hours in meteorology (12/68).

AF-1304-0003

GROUND WEATHER OBSERVING PROCEDURES

Course Number: XX25251-1A.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (240 hours).

Exhibit Dates: 2/58–12/68.

Objectives: To train personnel in observing, recording, and encoding weather phenomena and in plotting weather maps and charts.

Instruction: Lectures and practical exercises in ground weather observation procedures, including surface weather observations; observing, recording, and encoding cloud forms, states of the sky, and obscuring phenomena; observing, recording, and encoding visibility, present weather, and obstructions to vision; determination of temperature, humidity, and pressure data; surface observation equipment; and plotting weather maps and charts, constant pressure, winds aloft, and thermodynamic diagrams.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in meteorology (12/68).

AF-1304-0005

RAWINSONDE OPERATION

Course Number: 3AZR25251-1; AZR25251-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 1/60–12/73.

Objectives: To train weather observers in rawinsonde operation and observations.

Instruction: Lectures and practical exercises in rawinsonde operation and observations, including rawinsonde equipment, recorder and record evaluation, radiosonde charts and codes, winds-aloft observations and calculations, and upper-air observation.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in meteorology (12/68).

AF-1304-0008

WEATHER OBSERVER TECHNICIAN

Course Number: 3AAR25271; AA25271; AAR25271.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 16–25 weeks (480–750 hours).

Exhibit Dates: 4/58–12/73.

Objectives: To provide weather observer technicians with advanced training in weather observation.

Instruction: Lectures and practical experience in elementary mathematics, general meteorology and map analysis, operation and supervision of surface observing activities, electronic observations and equipment, office procedures, upper-air observations, management for the observer technician, communications skills, data dissemination and chart preparation, supply and maintenance forms and administrative procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in meteorology, 3 in business organization and management (12/68).

AF-1304-0009

ADVANCED METEOROLOGICAL APPLICATIONS

Course Number: 3OZR2524-4.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 4 weeks (120 hours).

Exhibit Dates: 11/72–12/73.

Objectives: To train personnel to perform as detachment forecasters.

Instruction: Lectures and practical exercises in advanced meteorological applications, including development of forecast methods, use of computer weather products, findings from environmental research projects, special forecasts for allied agencies, the latest developments in highly specialized meteorological programs, meteorological physics, air-sea interaction, environmental meteorology, and severe-weather applications.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in meteorology or general science (5/74).

AF-1304-0013

WEATHER SPECIALIST BY CORRESPONDENCE

Course Number: 25150.

Location: Extension Course Institute, Gunter AFS,AL.

Length: Maximum 52 weeks.

Exhibit Dates: 7/84–Present.

Objectives: This is a home study course designed to instruct the weather observer in the fundamentals of general meteorology, air weather communications, the analyses of weather satellite data, upper air and surface codes, and the procedures used to make simple forecasts of synoptic conditions.

Instruction: This correspondence course covers the Air Weather Service procedures, the composition, structure, behavior, fundamental processes of the atmosphere, description of methods of weather observations, the principles and techniques of synoptic weather analysis, as well as the fundamentals of data analyses of remotely determined parameters of the atmosphere as detected by spacecraft and weather radars.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in fundamental of meteorology, 3 in meteorological observation (9/85).

AF-1401-0001

1. ACCOUNTING AND FINANCE SPECIALIST
2. ACCOUNTING AND FINANCE SPECIALIST
3. FINANCE SPECIALIST

Course Number: *Version 1:* ABR67130. *Version 2:* ABR67130. *Version 3:* AB67130.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 16 weeks (450 hours). *Version 2:* 27 weeks (720 hours). *Version 3:* 11 weeks (300 hours).

Exhibit Dates: *Version 1:* 6/60–12/68. *Version 2:* 3/58–5/60. *Version 3:* 7/57–2/58.

Objectives: To train airmen as accounting and finance specialists.

Instruction: *Version 1:* Discussions and practical exercises in accounting principles, general ledger controls and subsidiaries, commercial services, military pay, travel and accounts control. *Version 2:* Discussions and practical exercises in accounting principles, inventory accounting (monetary), appropriation expense and general ledger, stock funds, military and civilian pay, travel allowances, commercial accounts, and accounting for public funds. *Version 3:* Discussions and practical exercises in the computation of military pay and allowances, travel allowances, payment of commercial accounts, and accounting for public funds.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in elementary accounting, 2 in general business practice (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in elementary accounting , 3 in general business practice (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in disbursing and finance (12/68).

AF-1401-0003

ACCOUNTING SPECIALIST

Course Number: AB67230.

Location: 3750th Technical Training Center, Sheppard AFB, TX.

Length: 15 weeks (450 hours).

Exhibit Dates: 4/55–12/68.

Objectives: To train enlisted personnel in elementary accounting procedures.

Instruction: Lectures and on-the-job training in elementary accounting procedures, inventory accounting, military accounting procedures, and stock funds and nonappropriated funds procedures.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in elementary accounting (12/68).

AF-1401-0004

ACCOUNTANT

Course Number: SS6884.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 4/58–12/68.
Objectives: To provide officers with a basic knowledge of government accounting procedures.
Instruction: Lectures in basic government accounting procedures, including general military and civilian accounting procedures, expense accounting, inventory accounting, appropriation accounting, stock fund and nonappropriated funds accounting, and a review of commercial accounting.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in government accounting (12/68).

AF-1401-0005

GENERAL ACCOUNTING SPECIALIST

Course Number: 3ABR67131; ABR67131.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 11–12 weeks (330 hours).
Exhibit Dates: 11/62–12/73.
Objectives: To provide enlisted personnel with a working knowledge of elementary accounting.
Instruction: Lectures in the basic principles of accounting, including payment vouchers and financial reports, appropriations and funds systems, materiel and commercial services systems, and the stock fund and general ledger systems.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in elementary accounting (12/68).

AF-1401-0006

DISBURSEMENT ACCOUNTING SPECIALIST

Course Number: 3ABR67133; ABR67133.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 11 weeks (300–330 hours).
Exhibit Dates: 11/62–12/73.
Objectives: To provide enlisted personnel with a basic knowledge of business finance.
Instruction: Lectures and practical exercises in business finance and accounting fundamentals, with emphasis on financial disbursement procedures involving personnel, materiel, and commercial services.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in general business practice and credit in finance and accounting on the basis of institutional evaluation (12/68).

AF-1401-0007

ACCOUNTING TECHNICIAN

Course Number: AA67270.
Location: 3750th Technical Training Center, Sheppard AFB, TX.
Length: 16–18 weeks (430–540 hours).
Exhibit Dates: 12/54–12/68.
Objectives: To train selected airmen in commercial and Air Force accounting systems.
Instruction: Lectures and practical exercises in managerial functions, graphic presentation, principles of accounting and the accounting cycle, merchandising, valuation of assets, stock funds, and cost-accounting processes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cost accounting (2/74).

AF-1401-0008

ACCOUNTANT

Course Number: OB6881.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 12 weeks (360 hours).
Exhibit Dates: 9/55–12/68.
Objectives: To train officers to organize, direct, and coordinate accounting activities.
Instruction: Lectures in appropriation accounting, cost accounting, consolidation accounting, operating and capital accounting, budgeting, and preparation and analysis of financial statements.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cost accounting, 3 in government accounting (12/68).

AF-1401-0009

ACCOUNTING AND FINANCE OFFICER

Course Number: OBR6721.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 18–19 weeks (540–570 hours).
Exhibit Dates: 5/53–8/65.
Objectives: To train officers as accounting and finance officers.
Instruction: Lectures and practical exercises in the duties of an accounting and finance officer. Course includes accounting and finance systems, paying and collecting, commercial services and materiel, travel, civilian pay and military pay, accounting procedures and document flow, and financial accountability.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in general accounting, 2 in cost accounting (12/68).

AF-1401-0010

ACCOUNTING AND FINANCE SUPERVISOR

Course Number: AAR67170.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 19 weeks (570 hours).
Exhibit Dates: 11/59–12/68.
Objectives: To provide finance and accounting supervisors with advanced training in accounting and finance.
Instruction: Lectures on accounting and finance activities, appropriation accounting, financial inventory accounting, expense and general ledger systems, stock funds, and civilian and military pay procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cost accounting, 4 in finance and disbursing (12/68).

AF-1401-0013

AUDITOR

Course Number: OB6781; OB6871.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 15 weeks (450 hours).
Exhibit Dates: 12/55–12/68.
Objectives: To train officers to be auditors.
Instruction: Lectures and practical exercises in organization and management, job order and standard cost accounting, contracts, internal audit, appropriation accounting, military accounting system, functional and stock fund accounting and auditing techniques, and data processing.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in general accounting, 4 in auditing (12/68).

AF-1401-0014

DISBURSING OFFICER

Course Number: OB6771.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 13 weeks (390 hours).
Exhibit Dates: 12/54–12/68.
Objectives: To train officers to manage financial accounts and services.
Instruction: Lectures in the management and operation of financial accounts and services, including maintenance of pay records; preparation, computation, and processing of vouchers for pay allowances (per diem and mileage); accounting for public funds; finance office administration and control of financial operations; and organization of finance functions and activities.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in disbursing and finance (12/68).

AF-1401-0015

ACCOUNTING AND FINANCE SUPERVISOR (DISBURSEMENT ACCOUNTING)

Course Number: AAR67170-3.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 10 weeks (300 hours).
Exhibit Dates: 8/67–12/73.
Objectives: To train personnel to supervise the disbursement functions of accounting and finance activities.
Instruction: Lectures on accounting and finance disbursement functions in areas of travel, military pay, civilian pay, and paying and collecting.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in disbursement accounting (12/68).

AF-1401-0016

ACCOUNTING AND FINANCE AUTOMATED MATERIEL SYSTEM
(Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II))

Course Number: 3AZR67170; AZR67170.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (72–90 hours).
Exhibit Dates: 10/66–12/73.
Objectives: To train enlisted personnel to perform as accounting and finance specialists at base supply installations using UNIVAC 1050 II computers.
Instruction: Lectures and practical exercises in the duties and skills necessary to perform as accountants and finance specialists or supervisors at base supply installations using UNIVAC 1050 II computers. Course includes materiel supply; materiel system and the UNIVAC 1050 II; categories and sources of inventory; local procurement; issues, turn-ons, and receipt of materiel; accounting and finance; UNIVAC 1050 II output; adjustments, system failure, and recovery; and practical applications to the materiel system.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in procurement accounting (8/74).

BEST COPY AVAILABLE

AF-1401-0017

HEALTH SERVICES ADMINISTRATION

Course Number: 3OBR9021-1.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 11 weeks (440 hours).
Exhibit Dates: 6/72–12/73.
Objectives: To train newly commissioned Medical Service Corps officers in the skills and knowledge necessary to perform as Air Force Health Service administrators.
Instruction: Lectures and practical exercises in planning, directing, coordinating and controlling administrative and materiel activities of medical facility units, including financial management and general administration.
Credit Recommendation: In the upper-division baccalaureate category, 7 semester hours in financial management, hospital organization and administration (6/75).

AF-1402-0001

1. DATA SYSTEMS AND STATISTICS OFFICER
2. DATA SYSTEMS AND STATISTICS OFFICER
3. STATISTICAL SERVICES OFFICER

Course Number: *Version 1:* OBR6831. *Version 2:* OBR6831. *Version 3:* OBR6831; OB6831.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 11 weeks (330 hours). *Version 2:* 11 weeks (330 hours). *Version 3:* 10–13 weeks (300–390 hours).
Exhibit Dates: *Version 1:* 1/64–12/68. *Version 2:* 9/63–12/63. *Version 3:* 1/55–8/63.
Objectives: To train personnel in the use of electrical accounting machines; the management of data systems, and the principles of data processing.
Instruction: Lectures on basic data processing machines; data systems analysis and design; accounting machine operation; and calculating, punch, type 602, and reporting systems.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in data processing : unit record and computer management (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in data processing: unit record and computer management (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in methods of statistical analysis, 2 in office management (12/68).

AF-1402-0002

AUTOMATED SYSTEMS PROGRAMMING TECHNICIAN (MANAGEMENT SUPPORT SYSTEMS)

Course Number: 3AZR06789-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 7 weeks (210 hours).
Exhibit Dates: 9/67–12/73.
Objectives: To train airmen to write computer programs (Assembler and COBOL) utilizing a UNIVAC 1050 II computer.
Instruction: Lectures and practical exercises in the theory and operating principles of computers, symbolic programming, input/output directives, utility programs, subroutines, COBOL programming, and flow charting.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0003

COMPUTER SYSTEMS ANALYST

Course Number: 3OZR5135B; 3OZR5135.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 10/70–12/73.
Objectives: To train officers in the techniques of computer system analysis and design.
Instruction: Lectures and practical exercises in preparation, analysis, and design steps of a system study; flowcharting techniques; forms of design; development of programming specifications; development of system performance specifications; system implementation considerations; and management of system development activities.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business systems analysis (2/74).

AF-1402-0004

PHASE II GENERAL ACCOUNTING APPLICATIONS

Course Number: 3AZR67170-10.
Location: Technical Training Center, Sheppard AFB, TX.
Length: 2 weeks (60 hours).
Exhibit Dates: 12/72–12/73.
Objectives: To provide personnel with the skills and knowledge necessary to perform as accounting and finance technicians at installations using Phase II computers (Burroughs 3500).
Instruction: Discussions and practical exercises in Phase II accounting applications, data elements and codes, established records, processing of daily transactions, processing of reject and management notices, remote operation, batch and interface processing, accounting and finance output from the system, and system recovery procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer operations (2/74).

AF-1402-0005

SUPPLY SYSTEMS SPECIALIST
(Supply Systems Specialist)
(Supply Computer System Specialist)

Course Number: 3ALR64830-1; 3ALR64830A-1; ALR64830A.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3320th Technical School, Amarillo AFB, TX.
Length: 6 weeks (180–191 hours).
Exhibit Dates: 11/66–12/73.
Objectives: To train enlisted personnel in the use of the Burroughs 1050-II computer and support equipment as applied to the operation of base-level supply systems.
Instruction: Lectures and practical exercises in the Burroughs 1050-II computer system, including assembly language, hands-on computer training, central processor functions, various numbering systems, and utility and report program generator processing.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer principles (12/68).

AF-1402-0007

FORTRAN PROGRAMMING

Course Number: 3AZR68750-2; AZR68750-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 10/64–12/73.
Objectives: To train officers, airmen, and civilians in the techniques of programming in FORTRAN.
Instruction: Lectures and practical exercises in coding conventions; constants, variables, and subscripts; control statements and end statements; input/output statements; specification statements; and subroutines as related to FORTRAN programming language.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0008

COMPUTER PROGRAMMING

Course Number: 3AZR68750; AZR68750.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 7 weeks (210 hours).
Exhibit Dates: 4/64–12/73.
Objectives: To train airmen in the principles and techniques of computer programming (COBOL).
Instruction: Discussions and practical exercises, including an introduction to data processing; programming logic; COBOL instruction set; and processing using card, tape, and disc files.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in computer programming (12/68).

AF-1402-0009

NCMC COMPUTER PROGRAMMER

Course Number: 4OZF0123-4.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 20 weeks (600 hours).
Exhibit Dates: 2/69–12/73.
Objectives: To provide enlisted personnel with the knowledge and skills necessary to write programs in several computer languages.
Instruction: Lectures and practical exercises in computer programming, including input/output programming, JOVIAL programming, COSMOS (Colorado Springs Maintenance Operations program System) programming and utility programming using COSMOS, and NOCOPS (NORAD Combat Operations Program System).
Credit Recommendation: In the upper-division baccalaureate category, 8 semester hours in computer programming (2/74).

AF-1402-0010

1. AUTOMATED SYSTEMS PROGRAM DESIGNER (MANAGEMENT SUPPORT SYSTEMS)
2. AUTOMATED SYSTEMS PROGRAM DESIGNER

Course Number: *All Versions:* 3OZR0678-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 9 weeks (270 hours).
Exhibit Dates: *Version 1:* 8/69–12/73. *Version 2:* 9/67–7/69.
Objectives: To train personnel in the principles and capabilities of punched card equipment, electronic data processing, and machine language programming.
Instruction: Orientation to automatic data processing, principles and capabilities of unit record equipment, basic components of electronic data processing systems, system concepts of third-generation computers

BEST COPY AVAILABLE

(Burroughs 3500), and COBOL programming.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in computer programming, 2 in unit data record processing (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in computer operations (12/68).

AF-1402-0011

COBOL PROGRAMMING

Course Number: 3AZR51151-1; AZR68750-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 10/64–12/73.

Objectives: To train personnel in the techniques of COBOL programming.

Instruction: Lectures and practical exercises in characteristics of Burroughs 3500 computer, and COBOL language structure, coding form, divisions, flowcharting, processing, control cards, declaratives, and programming.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0012

PROGRAMMING TECHNICIAN BY CORRESPONDENCE

Course Number: 51171.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 5/79–Present.

Objectives: To teach the student to analyze, design, and implement a computer system.

Instruction: This correspondence course includes systems study and objectives, systems survey, analysis of present systems, and new system design and implementation. Course concludes with a proctored examination.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in systems analysis (9/84).

AF-1402-0013

JOVIAL PROGRAMMING

Course Number: 3AZR68750-3; AZR68750-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 10/64–12/73.

Objectives: To train officers, airmen, and civilians in the techniques of programming in a high-level language (JOVIAL).

Instruction: Lectures and practical exercises in coding constants, assignment and exchange statements, decision-making statements, compound statements, modifiers, indexing and subscripts, subroutines, and strings and arrays.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0014

COMPUTER PRINCIPLES

Course Number: ABR305XX.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 20–21 weeks (600–630 hours).

Exhibit Dates: 10/64–12/68.

Objectives: To train airmen in electricity and electronics fundamentals and in computer principles.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and computer principles, including DC and AC, resonance, magnetism, motors, synchros, diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; logic functions; truth tables; Boolean algebra; logic diagrams and circuits; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; computer circuits; coding and memory circuits; electro-mechanical input-output devices; and programming principles.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 3 in digital computer maintenance (2/74).

AF-1402-0015

B 263 COMPUTER PROGRAMMING AND OPERATION
(Computer Operation)

Course Number: 3AZR51150; 3AZR68550; AZR68550.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/65–12/73.

Objectives: To train enlisted personnel in the basic principles of data processing and computer operations.

Instruction: Lectures and practical exercises in basic data processing and computer operations, including computer components, number systems, flowcharting, stored program instructions, data processing procedures, and Burroughs 263 computer operations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer operation (12/68).

AF-1402-0017

COMPUTER OPERATOR BY CORRESPONDENCE

Course Number: 51150.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum of 52 weeks.

Exhibit Dates: 5/70–Present.

Objectives: To provide the knowledge necessary to become a computer operator.

Instruction: This correspondence course includes computer systems, computer systems security, safety, supervision and training, unit-record and peripheral equipment, computer systems basics, computer operations, production control, and data processing activities management.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in computer operations, 1 in introduction to data processing. Course concludes with a proctored examination (9/84).

AF-1402-0018

STORE AND FORWARD COMMUNICATIONS SYSTEM COMPUTER PROGRAMMER

Course Number: 3OZR3024D; 3OZR0124-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 16–17 weeks (474–510 hours).

Exhibit Dates: 9/66–12/73.

Objectives: To train officers, airmen, and civilians as communications system computer programmers.

Instruction: Lectures and practical exercises in computer principles, computer mathematics, basic programming concepts and techniques, compiler language (COBOL) programming techniques, and theory of real-time programming systems.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in programming (12/68).

AF-1402-0019

COMPUTER OPERATOR
(Data Processing Machine Operator)

Course Number: 3AZR51130; 3ABR68530; ABR68530.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 9–11 weeks (270–300 hours).

Exhibit Dates: 5/65–12/73.

Objectives: To train enlisted personnel in the operation of digital computers, punched card accounting machines, and collators.

Instruction: Lectures and exercises in card punch operation; alphabetic interpretation; sorting; collating; wiring of control panels; computer components; coding systems; flow charting; stored program instructions; programming language; and computer operations.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in data processing, unit record, or computer operations (12/68).

AF-1402-0020

AUTOMATIC DIGITAL SWITCHING TECHNICIAN

Course Number: 4ALT29530-1.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX.

Length: 11 weeks (320 hours).

Exhibit Dates: 8/72–12/73.

Objectives: To train airmen in the principles of operation and the operating characteristics of data processing and digital switching equipment.

Instruction: Lectures and practical exercises in the AUTODIN system, messages, and codes; paper tape reader/punch; card reader/punch; magnetic tape equipment; memory units; system operation; service routines; and UNIVAC Set-8 operation.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours as an elective in computers or data processing (3/74).

AF-1402-0022

DIGITAL TECHNIQUES

Course Number: 2ASR30151-4.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/68–12/73.

Objectives: To train enlisted personnel in the principles of digital data processing circuitry.

Instruction: Lectures and practical exercises in digital techniques; review of transistor principles; numbering systems, logic, and Boolean expression; analysis of digital computer circuits; and functional analysis of computers.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computers (3/74).

AF-1402-0023

ELECTRONIC DIGITAL COMPUTER REPAIRMAN (DISPLAY EQUIP/465L)

Course Number: ABR30533-4.
Location: 3380th Technical School, Keesler AFB, MS
Length: 15 weeks (450 hours).
Exhibit Dates: 9/64–12/68.
Objectives: To train enlisted personnel to operate, inspect, and maintain electronic data display equipment.
Instruction: Lectures and practical exercises in electronic digital computer data display central equipment operation, inspection, and maintenance procedures, including electronic and data processing principles, digital techniques, circuit logic, maintenance concepts, test routines, malfunction analysis, components isolation and repair, and use of associated aerospace ground equipment.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1402-0024

F-111A COMPUTER/NAVIGATION TEST STATION TECHNICIAN

Course Number: 3ALR30174-3.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 12 weeks (360 hours).
Exhibit Dates: 5/68–12/73.
Objectives: To train airmen to perform maintenance and shop repair on computer/navigation test stations.
Instruction: Lectures and practical exercises in digital fundamentals, binary and octal numbers, algebra, logic symbols, functions and circuits, signal flow analysis, equipment operation principles.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer operations (3/74).

AF-1402-0030

SAGE COMPUTER PROGRAMMER

Course Number: 3OZR0123-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 18 weeks (522 hours).
Exhibit Dates: 5/68–12/73.
Objectives: To train officers to perform as SAGE computer programmers.
Instruction: Lectures and practical exercises in the functions of SAGE computer programmers, including computer principles, computer mathematics, programming concepts and compiler language programming techniques, machine language coding, peripheral equipment programming, interpretation of programs, and modification and adoption of existing programs.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in computer programming, 3 in data processing (12/68).

AF-1402-0031

COMPUTER MAINTENANCE OFFICER

Course Number: 3OLR3061; 3OZR3061.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 12 weeks (360 hours).
Exhibit Dates: 10/71–12/73.
Objectives: To train officers to supervise the maintenance of computers.
Instruction: Lectures and practical exercises in the maintenance of computers, including computer principles, numbering systems, storage principles, basic programming, read/write operations, internal logic of computer, hardware routines, input/output terminal equipment (emphasis on display consoles), and maintenance program development and analysis.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer maintenance, 3 in data processing principles (4/74).

AF-1402-0032

COMPUTER SYSTEMS PROGRAMMING OFFICER, SAGE

Course Number: 3OZR5144-1.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 8 weeks (228–254 hours).
Exhibit Dates: 1/71–12/73.
Objectives: To train officers to program the SAGE system computer.
Instruction: Lectures and practical exercises in SAGE system computer programming, including basic assembly programming, fundamentals of radar, air surveillance, weapons, real-time control, operational program analysis, I/O methods and equipment, program documentation and debugging, and functions of utility, simulation, and data reduction programs.
Credit Recommendation: In the upper division baccalaureate category, 4 semester hours in computer programming (4/74).

AF-1402-0033

HM4118 COMPUTER PROGRAMMER TACTICAL AND CONTROL SYSTEM

Course Number: 3AZR51151-4.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 12 weeks (360 hours).
Exhibit Dates: 2/73–12/73.
Objectives: To train enlisted personnel who have had training in basic computer programming to operate computers in the tactical air control system.
Instruction: Lectures and practical exercises in the operation of computers in the tactical air control system, including computer system specifications, signal flow analysis, program module function, computer programming, symbolic language, word format and subsystem unit identification, real-time programming, operation of the tactical air control data recording, data reduction, and system software application and assembly.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (4/74).

AF-1402-0034

AIR FORCE INTEGRATED COMMAND AND CONTROL SYSTEM COMPUTER PROGRAMMER

Course Number: 3OZR5144-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 13 weeks (402 hours).
Exhibit Dates: 3/71–12/73.
Objectives: To train officers and airmen to perform as computer programmers on IBM 1410 equipment.
Instruction: Lectures and practical exercises in computer programming on IBM 1410 equipment, including computer principles, basic programming concepts and techniques, assembler language programming, machine language coding, peripheral equipment programming (magnetic disks, line printers, magnetic tapes, display consoles, and miscellaneous input/output devices), data storage files, and program assembly, operation, and debugging.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in computer programming (4/74).

AF-1402-0035

COMPUTER SYSTEMS PROGRAMMING OFFICER

Course Number: 3OBR5141.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 12 weeks (360 hours).
Exhibit Dates: 9/70–12/73.
Objectives: To train officers to program computer systems and design automated systems programs.
Instruction: Lectures and practical exercises in computer systems programming and automated systems program design, including programming techniques, computer mathematics, operating principles, flow charting methods and applications, program testing and debugging, machine language programming, assembler language programming, compiler theory and languages (FORTRAN, COBOL and JOVIAL), online and real-time systems, principles of system analysis and design, and management and direction of programming activities.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in computer programming, 2 in business systems analysis (4/74).

AF-1402-0036

1. DATA PROCESSING MACHINE SUPERVISOR
2. DATA PROCESSING MACHINE SUPERVISOR
3. DATA PROCESSING MACHINE SUPERVISOR (PUNCHED CARD) (Machine Accounting Supervisor)
4. DATA PROCESSING MACHINE SUPERVISOR (PUNCHED CARD) (Machine Accounting Supervisor)

Course Number: *Version 1:* 3AAR68570. *Version 2:* AAR68570. *Version 3:* AAR68570A; AA68270A; AA68270; AA83270. *Version 4:* AAR68570A; AA68270A; AA68270; AA83270.
Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 12 weeks (360 hours). *Version 3:* 12–14 weeks (360–420 hours); 12–14 weeks (360–420 hours).
Exhibit Dates: *Version 1:* 7/69–12/73. *Version 2:* 5/65–6/69. *Version 3:* 2/54–4/65. *Version 4:* 2/54–4/65.
Objectives: To train noncommissioned officers and enlisted personnel to supervise data processing and computer operations.
Instruction: *All Versions:* Lectures and practical exercises in unit record equipment programming and operation, computer operations and management, data systems analysis and design, collator wiring, and logical analysis. *Version 1:* Instruction includes some introductory business systems analysis.

BEST COPY AVAILABL

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in unit record data processing, 2 in data processing management, 2 in business systems analysis (4/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in computer operation (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in office management (12/68). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in office management (12/68).

AF-1402-0037

PROGRAMMING SPECIALIST

Course Number: 3ABR68730; ABR68730.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 7–9 weeks (210–240 hours).
Exhibit Dates: 1/64–12/73.
Objectives: To train enlisted personnel in data processing principles and computer programming in a compiler language.
Instruction: Lectures in data processing introduction, including data organization, computer and components, programming logic applications, and COBOL language programming techniques and requirements. Seven-week course includes detailed training in COBOL, including magnetic tape and disk applications. Nine-week course includes basic computer programming and a complete assembly language instruction set.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in computer programming (12/68).

AF-1402-0038

MANAGEMENT/SUPERVISION OF A DATA PROCESSING INSTALLATION (DPI)

Course Number: 3AZR51170.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (132 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To train enlisted personnel to be computer operations supervisors.
Instruction: Lectures, demonstrations, and practical exercises in data processing activities organization; data processing installation evaluation; production control; security procedures; personnel supervision; and data processing management, including equipment operation and maintenance, storage, supplies, reporting procedures, and facilities management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in data processing management(4/74).

AF-1402-0039

DATA SYSTEMS ANALYSIS AND DESIGN (OFFICER)

Course Number: 3OZR6854; OZR6834; OTS6854-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 12/60–12/73.
Objectives: To train officers in data systems analysis and design.
Instruction: Lectures in data systems study preparation, initial survey, interviewing, systems flow charting, analysis of present system resources, decision logic tables, electronic data processing equipment, computer programming introduction, optimum systems design characteristics and design requirements, data system specifications, and proposed system follow-up.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer systems (12/68).

AF-1402-0040

1. COMPUTER SYSTEMS ANALYSIS AND DESIGN (ENLISTED)
2. DATA SYSTEMS ANALYSIS AND DESIGN (ENLISTED)

Course Number: *Version 1:* 3AZR51172. *Version 2:* 3AZR68670; AZR68670; ATS68570B-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 4–5 weeks (120–150 hours).
Exhibit Dates: *Version 1:* 12/71–12/73. *Version 2:* 2/61–11/71.
Objectives: To train enlisted personnel in systems analysis and design techniques.
Instruction: Lectures in data systems concepts, systems study techniques, system flow charting, document analysis, item analysis, decision logic tables, system design characteristics, and designing, presenting, and flow charting the proposed system.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in business systems analysis(2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in computer systems (2/74).

AF-1402-0041

ADVANCED DATA PROCESSING AUDIT ANALYSIS

Course Number: 3OZR6784-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 6 weeks (180 hours).
Exhibit Dates: 3/70–12/73.
Objectives: To train auditors to evaluate automated data systems.
Instruction: Lectures in computer processes review; advanced computer programming techniques; in-depth analysis and evaluation of data systems; computer flow charts; remote input/inquiry language and techniques; COBOL programming; and audit theory, tools, and techniques.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in data processing principles, 2 in computer programming (4/74).

AF-1402-0042

AUDITING DATA PROCESSING SYSTEMS

Course Number: 3OZR6784.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3–4 weeks (90–108 hours).
Exhibit Dates: 8/68–12/73.
Objectives: To train auditors to audit and evaluate operational automated data processing systems.
Instruction: Lectures and laboratory in automated data processing systems concepts, flow charting, computer programming techniques, computer processes, computer assisted audit techniques, and automated data processing equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in data processing principles (4/74).

AF-1402-0043

IDHS 1410 FFS OPERATIONS AND SPECIFICATIONS II

Course Number: 3AZR20450-3.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (90 hours).
Exhibit Dates: 1/70–12/73.
Objectives: To train enlisted personnel to structure and maintain a data file and to retrieve records using a data management system.
Instruction: Lectures in file structuring, file maintenance, data retrieval, output card specifications, conditional and computation statements, extracting an output mode, correction and analysis of output computer run, and operational concepts of IBM 1410 system.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in computer programming (4/74).

AF-1402-0044

AUTOMATED SYSTEMS PROGRAM DESIGNER

Course Number: 3OZR5141-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 12 weeks (360 hours).
Exhibit Dates: 9/71–12/73.
Objectives: To train officers as computer systems programming officers and automated systems program designers.
Instruction: Lecture and practical exercises in the design and programming of business data systems, including fundamentals of computer programming, machine and assembler language programming, compiler theory and higher-level languages using FORTRAN IV and COBOL, computer mathematics, use of magnetic tape files and disk files, and basic JOVIAL procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 in computer programming — assembler language, 3 in computer programming — compiler languages (FORTRAN and COBOL), 3 in systems analysis (7/74).

AF-1402-0046

COMPUTER SYSTEMS OPERATIONS OFFICER (Data Automation Officer) (Electronic Data Processing Officer)

Course Number: 3OBR5151; 3OBR6851; OBR6851.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 8–11 weeks (240–330 hours).
Exhibit Dates: 9/58–12/73.
Objectives: To train officers to manage electronic data processing activities.
Instruction: Lectures and practical exercises in the management of electronic data processing activities and punched-card equipment, including data representation, computer components, assembler language programming, compiler languages, data communications, system characteristics of advanced computer systems, production control, advanced computer hardware and software, card punch and associated equipment, electrical accounting machines, data systems analysis, design and implementation, and personnel management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer programming and management (12/68).

AF-1402-0048

COMPUTER SYSTEMS PROGRAMMING OFFICER

Course Number: 3OBR0121.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 16 weeks (656 hours).

BEST COPY AVAILABLE

Exhibit Dates: 12/69–12/73.
Objectives: To train officers to program electronic digital computer systems.
Instruction: Lectures and practical exercises in programming electronic digital computer systems, including flow diagramming; preparation, assembly, operation, and correction of compiler language (FORTRAN, JOVIAL, and COBOL) and assembler language programs; input/output equipment; interrogating typewriters; line printers; magnetic tapes, disks, and drums; display devices; advanced concepts of multi-programming, time-sharing, and real-time; principles of computer system management and development of a complete medium-scale programming system.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in computer programming—assembler, 3 in computer programming—FORTRAN, 3 in computer programming—COBOL (7/74).

AF-1402-0049

ADVANCED COBOL PROGRAMMING TECHNIQUES

Course Number: 3AZR68770-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 10/70–12/73.
Objectives: To train officers and airmen to program at an advanced level using COBOL language.
Instruction: Lectures and practical exercises in programming using COBOL language, including multiprogramming and multiprocessing, B 2500 computer system, segmentation, sequential file organization, table handling, immediate-access storage devices, disk file organization, B 3500 library, sorting, debugging aids, programming applications, data communications, and B 3500 software.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0050

ELECTRONIC COMPUTER SYSTEMS SUPERVISOR/TECHNICIAN

Course Number: 3AAR30500.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 47–52 weeks (1410–1500 hours).
Exhibit Dates: 4/70–12/73.
Objectives: To train enlisted personnel as electronic computer and data processing maintenance superintendents.
Instruction: Lectures and practical exercises in duties of electronic computer and data processing maintenance superintendents, including basic mathematics, algebra, logarithms, imaginary numbers, trigonometric functions; DC and AC circuit analysis, vacuum tube and solid-state devices, semiconductors, power supplies and oscillators; principles of electronic computers, numbering systems, logic circuits and Boolean algebra; counters and storage devices, timing, and computer language; indicators, generators, motors, and synchros and servo systems; personnel and maintenance management; and flow charting and programming, memory systems, central computer analysis, input/output control, magnetic drums, discs, tape units, printers and readers, keyboard assembly, data display, message processor, printout interpretation, data processor, electromagnetic compatibility, and systems analysis.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in computer principles, and 2 in maintenance management (7/74).

AF-1402-0051

BUIC SYSTEMS COMPUTER PROGRAMMER

Course Number: 3OZR5144.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 10 weeks (300–302 hours). *Version 2:* 8 weeks (240 hours).
Exhibit Dates: *Version 1:* 7/72–12/73. *Version 2:* 1/71–6/72.
Objectives: To train enlisted personnel as computer programmers on the BUIC systems computer.
Instruction: Lectures and practical exercises in computer programming. Course includes computer mathematics, assembly language programming, program terminal devices, and program maintenance.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in assembly language programming (7/74); *Version 2:* In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 2 in assembly language programming (7/74).

AF-1402-0052

BUIC III COMPUTER PROGRAMMER

Course Number: 2OSR0123-3.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 18 weeks (540 hours).
Exhibit Dates: 12/67–12/73.
Objectives: To train enlisted personnel to perform as computer programmers in the BUIC III system.
Instruction: Lectures and practical exercises in computer programming, including computer principles, basic programming concepts and techniques, central processor programming, I/O programming, program maintenance testing, and compiler language techniques.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer programming in the field of computer sciences (12/68).

AF-1402-0053

ADVANCED DATA AUTOMATION ANALYSIS AND DESIGN

Course Number: 3OZR6854-1; 3OZR6855-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 9/67–12/73.
Objectives: To train personnel in advanced data automation analysis and design.
Instruction: Lectures and practical exercises in advanced automation analysis and design, including capabilities and limitations of EDPE, data systems concepts, preparation for a systems study, survey of present systems study, analysis of the present system, design of a proposed system, and follow-up of proposed system.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming and systems analysis (12/68).

AF-1402-0055

OPERATION AND MAINTENANCE OF UNIVAC 1218 COMPUTER

Course Number: AZR31672H-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 10 weeks (300 hours).
Exhibit Dates: 4/67–12/68.
Objectives: To train airmen to operate, program, troubleshoot, and maintain UNIVAC 1218 digital computers.
Instruction: Lectures and practical exercises in operation, programming, troubleshooting, and maintenance of UNIVAC 1218 digital computers, including block diagramming, computer logic, analysis of computer components and circuitry, computer arithmetic section, input/output section, wire-wrapping techniques, and computer memory section analysis.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in computer operation in the field of data processing (12/68).

AF-1402-0057

STORE AND FORWARD COMMUNICATIONS SYSTEM COMPUTER PROGRAMMER

Course Number: 3OZR0123-3; OZR0123-3.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 17 weeks (510 hours).
Exhibit Dates: 9/66–12/73.
Objectives: To train officers to program real-time command and control systems using a compiler language (JOVIAL).
Instruction: Lectures and practical exercises in programming real-time command and control systems using a compiler language (JOVIAL). Topics include introduction to computers and computer terminology, binary and octal mathematics, coding schemes, computer elements and system organization, flow charting, information organization and storage, data retrieval and manipulation, digital techniques (computer logic, digital devices, Boolean algebra), and extensive programming in JOVIAL language, including input/output operations, symbology, various conventions and techniques, and analysis and debugging of programs.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in computer programming in the field of computer science (12/68).

AF-1402-0058

1. COMMAND AND CONTROL SYSTEMS COMPUTER PROGRAMMER
2. COMMAND AND CONTROL SYSTEMS COMPUTER PROGRAMMER (Weapon Support Systems Computer Programmer)

Course Number: *Version 1:* 3OZR0124-2. *Version 2:* OZR0123; OZR0005; OZR0076.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 16 weeks (474 hours). *Version 2:* 15 weeks (450–480 hours).
Exhibit Dates: *Version 1:* 10/69–12/73. *Version 2:* 6/61–9/69.
Objectives: To train officers to program command and control systems computers.
Instruction: Lectures and practical exercises in computer principles, computer mathematics, Boolean logic, flow chart design and analysis, machine language and computer language programming, program maintenance and testing, and data reduction techniques.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in computer programming—assem-

BEST COPY AVAILABLE

bler, and 3 in computer programming—compiler (7/74)/ *Version 2:* In the upper-division baccalaureate category, 5 semester hours in computer science or computer programming (12/68).

AF-1402-0060

BASE LEVEL MILITARY PERSONNEL SYSTEM (BLMPS), PHASE II
(Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II)
(BLMPS/PDS Work Center Operations, Phase II)

Course Number: 3AZR73270-6.
Location: 3380th Technical School, Keesler AFB, MS; School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 3–4 weeks (102 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To train enlisted personnel to perform as operators of the Phase II Base Level Military Personnel System (BLMPS).
Instruction: Lectures and practical exercises in the operation of the Phase II BLMPS, including PDS; card formats; edits; the weighted-data reporting system; operation of data communications system equipment; data maintenance techniques; and direct English statement information system.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in introduction to computer science (7/74).

AF-1402-0061

BUIC COMPUTER PROGRAMMING

Course Number: *Version 1:* 3AZR68770-2. *Version 2:* 3AZR27370-D.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 15 weeks (450 hours). *Version 2:* 18 weeks (534 hours).
Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 3/70–12/70.
Objectives: To train noncommissioned officers to perform as BUIC III computer programmers.
Instruction: Lectures and practical exercises in the skills necessary to perform as BUIC III computer programmers. Course includes computer principles, computer mathematics, basic programming concepts and techniques, BUIC assembler language programming, BUIC compiler language programming, analysis of the BUIC system equipment training, and preparation, assembly, and debugging of assembler and compiler language programs.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in principles of data processing, 4 in assembly language (7/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in programming in the field of computer science (12/68).

AF-1402-0062

DIGITAL COMPUTER PRINCIPLES

Course Number: 3AZR34250.
Location: School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: 7 weeks (280 hours).
Exhibit Dates: 7/73–12/73.
Objectives: To train enlisted personnel to apply digital computers to flight simulation.
Instruction: Lectures and practical exercises in the application of digital computers to flight simulation. Course includes computer mathematics, flow charting, computer programming fundamentals, input/output devices, memory and arithmetic units, and utility programs.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in principles of data processing, 3 in computer architecture (7/74).

AF-1402-0064

AUTOMATED SYSTEMS ANALYST (MANAGEMENT SUPPORT SYSTEMS)

Course Number: 3OZR0678-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 9/67–12/68.
Objectives: To train selected officers to analyze and use data systems.
Instruction: Lectures and practical exercises in the techniques of analysis and use of automated data systems. Course includes techniques for conducting a data systems study, flow charting, data analysis, application of automatic data processing equipment, and systems implementation.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming (12/68).

AF-1402-0065

PROGRAMMING SPECIALIST BY CORRESPONDENCE

Course Number: 51151.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum of 52 weeks.
Exhibit Dates: 4/79–Present.
Objectives: To train the student in computer programming logic, fundamentals, and design.
Instruction: This correspondence course includes computer systems security, supervision, and training, safety, computer systems components, data representation and number conversion, flow charting, IBM 360 assembler, COBOL and FORTRAN programming, top down design, documentation, testing and analysis, and computer systems management.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in computer programming. Course concludes with a proctored examination (9/84).

AF-1402-0066

AUTOMATED SYSTEMS ANALYST (MANAGEMENT SUPPORT SYSTEMS)

Course Number: 3AZRO6789-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 9/67–12/73.
Objectives: To train enlisted personnel as automated systems analysts.
Instruction: Lectures and practical exercises in data systems analysis. Course includes data systems concepts, systems analysis, equipment and communications concepts, computer programming techniques, and systems design and implementation.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computer programming and systems analysis (12/68).

AF-1402-0068

COMPUTER OPERATIONS SUPERVISOR BY CORRESPONDENCE

Course Number: 51170.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum of 52 weeks.
Exhibit Dates: 2/83–Present.
Objectives: To teach the student to become a computer operations supervisor.
Instruction: This correspondence course includes computer systems, computer principles, computer preparation and operation, data processing activities management, and program and data management.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in computer operations and management. Course concludes with a proctored examination (9/84).

AF-1403-0002

ADMINISTRATION MANAGEMENT SPECIALIST BY CORRESPONDENCE

Course Number: 70250A.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/84–Present.
Objectives: To provide specialty knowledge of the administrative career field, particularly in the area of the management and processing of internal documentation.
Instruction: The course instructs administrative management specialists in all aspects of internal document processing, including the objectives of such documents, preparation procedures, storage and distribution, updating of records and the impact of the Privacy and Freedom of Information Acts on specific documents.
Credit Recommendation: In the vocational certificate category, 3 semester hours in office procedures (10/85).

AF-1403-0033

STAFF SUPPORT ADMINISTRATION SPECIALIST BY CORRESPONDENCE

Course Number: 70250B.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/84–Present.
Objectives: To provide specialty knowledge of the administrative career field, particularly in the area of processing internal documentation.
Instruction: The course instructs administrative support specialists in all aspects of internal document processing, including the documents, preparation procedures, storage and distribution, updating of records and the impact of the Privacy and Freedom of Information Acts on specific documents.
Credit Recommendation: In the vocational certificate category, 3 semester hours in office procedures (10/85).

AF-1403-0004

UNIT ORDERLY ROOM ADMINISTRATION SPECIALIST BY CORRESPONDENCE

Course Number: 70250C.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/84–Present.
Objectives: To provide specialty knowledge of the administrative career field, particularly in the area of processing internal documentation.
Instruction: The course instructs administrative support specialists in all aspects of internal document processing including the objectives of such documents, preparation procedures, storage and distribution, updat-

BEST COPY AVAILABLE

ing of records and the impact of the Privacy and Freedom of Information Acts on specific documents.

Credit Recommendation: In the vocational certificate category, 3 semester hours in office procedures (10/85).

AF-1405-0001

BASE SUPPLY MANAGEMENT

Course Number: 550.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3 weeks (120 hours).

Exhibit Dates: 1/70–6/74.

Objectives: To provide warrant officers and civilian personnel with training in the principles and procedures of resource management.

Instruction: Lectures and workshops in the principles of resource management, including logistic policies and processes, data processing, weapons system acquisition, equipment management, personnel management, maintenance and procurement procedures within supply organizations, and a logistic management exercise.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in supply management (2/74); in the upper-division baccalaureate category, 1 semester hour in supply management (2/74).

AF-1405-0003

LOGISTICS SPECIALIST

Course Number: 3ALR66130.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 6 weeks (180 hours).

Exhibit Dates: 1/70–12/73.

Objectives: To train airmen in the management and control of material support functions and activities.

Instruction: Lectures and practical exercises in the management and control of supply, maintenance, transportation, procurement, and production functions at command and base levels; financial management; and employment and phase-out of weapon systems.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in supply management (12/68).

AF-1405-0006

MEDICAL SUPPLY OFFICER

Course Number: None.

Location: School of Aviation Medicine, Gunter AFB, AL.

Length: 7 weeks (273 hours).

Exhibit Dates: 10/55–12/68.

Objectives: To train officers of the Medical Service Corps as base and unit medical supply officers, with emphasis on efficient management and economical use of personnel, materiel, and facilities.

Instruction: Lectures on medical supply service organization; inventory management, including requisition, stock control, requirements determination, and related accounting for medical equipment and supplies; and medical administration.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0007

LOGISTICS MANAGEMENT

Course Number: 580.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 4–5 weeks (117–135 hours).

Exhibit Dates: 3/69–6/74.

Objectives: To train officer and civilian personnel in logistics management principles.

Instruction: Lectures in logistics introduction; economics and national defense; logistics planning theory; integrated logistics support; stock control and distribution systems; basic statistics; logistics management techniques; problem solving and decision analysis; group dynamics; gaming and simulation; maintenance, transportation, procurement, and financial management; and current and future developments in logistics.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in survey of logistics (6/74).

AF-1405-0009

SUPPLY OPERATIONS OFFICER
(Supply Officer)

Course Number: 3OBR6421-1; OBR6421; OB6421.

Location: 3415th Technical School, Lowry AFB, CO; 3320th Technical School, Amarillo AFB, TX; 3450th Technical School, Warren AFB, WY.

Length: 8–12 weeks (234–360 hours).

Exhibit Dates: 2/59–12/73.

Objectives: To train officers in supply management practices and procedures.

Instruction: Lectures and practical exercises in materials management and control principles; technical aspects of reference data and inventory record keeping, supply organization; warehousing methods; cataloging; and supplies and equipment receiving, storage, and distribution procedures.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in supply management (12/68).

AF-1405-0011

INVENTORY MANAGEMENT SUPERVISOR

Course Number: AAR64570.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 5–7 weeks (150–210 hours).

Exhibit Dates: 12/59–7/68.

Objectives: To train airmen to perform as inventory management supervisors.

Instruction: Lectures and practical exercises in inventory management supervision, including personnel relations, supply systems, equipment and maintenance management, demand processing, equipment transfer, requisitioning and inventory, stock maintenance, processing of receipts, use of automatic data processing for item accounting, and inventory transactions. Includes property accounting, communications, budget preparation, and data elements, codes, and formats.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0013

MATERIEL FACILITIES SPECIALIST BY CORRESPONDENCE

Course Number: 64551.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 12/84–Present.

Objectives: This course provides the student with the basic fundamentals of materiel supply systems, inspection and equipment handling operations and the storing and issuing of supplies.

Instruction: Instruction cover security operations, materiel sources, storage and distribution systems and records control. Documentation, storage procedures and the proper selection of materials handling equipment are also discussed.

Credit Recommendation: In the vocational certificate category, 3 semester hours in materials handling and inventory control (10/85).

AF-1405-0014

BASE PROCUREMENT OFFICER

Course Number: 3OZR6531.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 2 weeks (72 hours).

Exhibit Dates: 7/70–12/73.

Objectives: To train commissioned officers to perform as base procurement officers.

Instruction: Lectures and practical exercises in procurement procedures and practices. Course includes organization; nonappropriated funds; purchase requests; imprest funds; contracting for supplies, services, construction, and engineering; and contract administration.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in purchasing and contracting (6/74).

AF-1405-0015

CENTRAL PROCUREMENT OFFICER

Course Number: 3OBR6531-3.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 6–9 weeks (168–270 hours).

Exhibit Dates: 4/70–12/73.

Objectives: To train personnel as systems procurement officers.

Instruction: Lectures and practical exercises in systems procurement, including procurement and production fundamentals; procurement methods and management; specialized training in base, central, contract, systems, and research and development procurement; procurement by advertising and negotiating; interdepartmental and coordinated procurement; organization and policy formulation; precontract analysis; and postcontract functions.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in purchasing management (6/74).

AF-1405-0016

SYSTEMS PROCUREMENT OFFICER

Course Number: 3OZR6531-3.

Location: 3415th Technical School, Lowry AFB, CO; School of Applied Aerospace Science, Lowry AFB, CO.

Length: 3 weeks (90–104 hours).

Exhibit Dates: 6/69–12/73.

Objectives: To train personnel as systems procurement officers.

Instruction: Lectures and practical exercises on systems procurement, including procurement and production fundamentals, procurement methods and management; specialized training in base, central, contract, systems, and research and development procurement; procurement by advertising and negotiating; interdepartmental and coordinated procurement; organization and policy formulation; precontract analysis; and postcontract functions.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in purchasing management (6/74).

BEST COPY AVAILABLE

AF-1405-0017

SYSTEMS PROCUREMENT OFFICER

Course Number: 3OBR6531-5.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 7/70–12/73.
Objectives: To train commissioned officers in procurement systems and functions.
Instruction: Lectures and practical exercises in procurement systems and operations. Course includes principles of system procurement, system program management, system life cycle, system program documentation, and programming and financial management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in purchasing management (6/74).

AF-1405-0018

APPRENTICE MATERIEL FACILITIES SPECIALIST BY CORRESPONDENCE

Course Number: 64531.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 12/84–Present
Objectives: The purpose of this course is the provide a knowledge base in the standard base supply system, receiving and material handling operations and storage functions.
Instruction: The instruction in this course provides an introduction to the supply distribution system, supply publications, supply classifications; property receipt procedures, internal and external records; material handling principles and equipment; pickup and delivery functions; storage functions; material locator system; inventory procedures, special storage procedures; and shipments and transfers.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in materials handling (10/85).

AF-1405-0019

1. MOTOR VEHICLE MANAGEMENT OFFICER
2. MOTOR VEHICLE MAINTENANCE OFFICER
3. MOTOR VEHICLE MAINTENANCE OFFICER

Course Number: *Version 1:* 3OBR6021. *Version 2:* OBR4721. *Version 3:* OBR4721.
Location: 3345th Technical School, Chanute AFB, IL. *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: *Version 1:* 6–7 weeks (210–268 hours). *Version 2:* 6 weeks (180 hours). *Version 3:* 8–9 weeks (240–270 hours).
Exhibit Dates: *Version 1:* 7/68–12/73. *Version 2:* 3/67–6/68. *Version 3:* 2/61–2/67.
Objectives: To train officers to perform as motor vehicle management or maintenance officers.
Instruction: *All Versions:* Lectures and practical exercises in motor vehicle management or maintenance, including personnel administration, supervision, and training; miscellaneous vehicular equipment; and shop procedures, including budgeting. *Version 1:* Includes motor vehicle operation.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in supply management (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in supply management (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0020

PROCUREMENT SPECIALIST

Course Number: ATS65150-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 6 weeks (180 hours).
Exhibit Dates: 3/59–12/68.
Objectives: To train officers and civilian personnel in procurement procedures.
Instruction: Lectures and practical exercises in procurement procedures, including procurement organization and publications, contracts, negotiation, advertising, bonds and securities, construction contracts, registers and reports, and termination procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in procurement policies (12/68).

AF-1405-0021

SUPPLY RECORDS SUPERVISOR

Course Number: AA64174.
Location: 3450th Technical School, Warren AFB, WY.
Length: 7 weeks (210 hours).
Exhibit Dates: 5/56–12/68.
Objectives: To train enlisted personnel to maintain and control supply records.
Instruction: Lectures and practical exercises in the maintenance and control of supply records. Course includes methods of research in supply procedures, organization, data measurement, personnel management, inventory accounting, procurement, and special supply procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0026

LOGISTICS OFFICER

Course Number: 3OBR6621.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 3/69–12/73.
Objectives: To train commissioned officers to manage and control the supply, maintenance, transportation, procurement, and production functions of logistics at a military headquarters.
Instruction: Lectures and practical exercises in the management and control of the supply, maintenance, transportation, procurement, and production functions of logistics at a military headquarters. Course includes planning, programming, budgeting, financial management, and the logistics cycle; implementation, support, employment and phase-out of weapons systems; logistics at the wholesale and retail level; and quantitative logistics methods.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in logistics management, 2 in quantitative methods in logistics (8/74).

AF-1405-0027

AMA/DIRECTORATE OF MATERIEL MANAGEMENT

Course Number: 130.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4 weeks (110–117 hours).
Exhibit Dates: 3/69–6/74.
Objectives: To train selected enlisted personnel to manage materiel support functions.
Instruction: Lectures and practical exercises in the management of materiel support functions. Course includes planning and programming cycles, logistic programs management system, materiel utilization and disposition, and materiel management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in logistics (8/74).

AF-1405-0029

ADVANCED BASE PROCUREMENT MANAGEMENT

Course Number: 3OZR6534-1; OZR6534-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 4 weeks (120 hours).
Exhibit Dates: 1/67–12/73.
Objectives: To train enlisted personnel and civilians to manage procurement functions on a military base.
Instruction: Lectures and practical exercises in the management of procurement functions on a military base. Course includes office management, policy decisions, human relations, and contract law related to the procurement field.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in procurement management (12/68).

AF-1405-0032

CENTRAL PROCUREMENT OFFICER

Course Number: 3OZR6531-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3–4 weeks (90–120 hours).
Exhibit Dates: 6/69–12/73.
Objectives: To train selected enlisted personnel as central procurement officers.
Instruction: Lectures and practical exercises in the duties of a central procurement officer. Course includes government contracting policies and procedures, purchase requests, procurement planning, documentation, procurement sources, evaluation of offers, cost and price analysis, contract award, and modification and termination.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in procurement (8/74).

AF-1405-0033

MATERIEL FACILITIES SUPERVISOR BY CORRESPONDENCE

Course Number: 64571.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 10/83–Present.
Objectives: This course is a comprehensive coverage of the operational and supervisory functions of a supply distribution system. It emphasizes the importances of a computer system for purchasing, storing, controlling and distributing materiels.
Instruction: This course covers supply sources, correspondence, requisitions support services, inventory controls, storage facilities and equipment and hazardous materiels. Included also are management and supervisory responsibilities, computerizing control systems, and documentation.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in materiels management (10/85); in the upper-division bacca-

COPY AVAILABLE

lowrate category, 3 semester hours in material control systems (10/85).

AF-1405-0034

FUEL SUPPLY OFFICER

Course Number: OTS6451-1.
Location: 3320th Technical School, Amarillo AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 8/58–12/68.
Objectives: To train personnel as fuel supply officers.
Instruction: Lectures and practical exercises in the supervision of fuel supply activities, including duties and responsibilities of fuel supply officers; characteristics of petroleum products and fuel-handling safety; fuel accounting procedures; estimation of fuel requirements; inspection, operation, and operator maintenance of receiving, storing, and dispensing systems and packaged products facilities; commercial and military pipelines; inspection and operator maintenance of vehicular equipment; fueling and defueling of aircraft; coordination of fuel supply functions; tank cleaning; and control of quantity and quality.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in handling and storage of petroleum products (12/68).

AF-1405-0035

INITIAL PROVISIONING

Course Number: 150.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3 weeks (90 hours).
Exhibit Dates: 4/70–6/74.
Objectives: To train supply and maintenance personnel in initial provisioning.
Instruction: Lectures and practical exercises in initial provisioning, including basic principles of logistics, the provisioning process, responsibilities of other commands and agencies, functions of initial provisioning, advancements in initial provisioning, and initial provisioning under the Air Force advanced logistics system master plan.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in supply management (8/74); in the upper-division baccalaureate category, 1 semester hour in supply management (8/74).

AF-1405-0036

RESEARCH AND DEVELOPMENT PROCUREMENT OFFICER

Course Number: 3OZR6531-4.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO.
Length: 3 weeks (78–104 hours).
Exhibit Dates: 6/69–12/73.
Objectives: To train commissioned officers to serve as research and development procurement officers.
Instruction: Lectures and practical exercises in the duties of a research and development officer. Course includes acquisition methods, patents, source selection procedures, solicitation requirements, proposal evaluations, and negotiations and contract administration.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in supply management (8/74).

AF-1405-0037

SYSTEMS PROCUREMENT OFFICER

Course Number: 3OBR6531-5.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 6 weeks (168 hours). *Version 2:* 8–9 weeks (240–270 hours).
Exhibit Dates: *Version 1:* 9/72–12/73. *Version 2:* 4/70–8/72.
Objectives: To train officers as systems procurement officers.
Instruction: *All Versions:* Lectures and practical exercises in procurement fundamentals and system program management. *Version 1:* Course includes life-cycle phases, system program office functions, advanced planning, negotiated procurement, source selection, contracting for a major system, contract administration functions, and production surveillance. *Version 2:* Course includes statutes and publications governing procurement, procurement and production authorities and delegation, formal advertising and negotiation, procurement management, fundamentals of procurement and production, system life-cycle phases, system programming, program documentation, system contracting, and evaluation of contractor performance.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours as an elective in procurement or management (8/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours as an elective in procurement or management (8/74).

AF-1405-0038

BASE PROCUREMENT OFFICER

Course Number: 3OBR6531-2.
Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 5 weeks (165 hours). *Version 2:* 7–9 weeks (222–252 hours).
Exhibit Dates: *Version 1:* 11/72–12/73. *Version 2:* 4/70–10/72.
Objectives: To train officers to perform as base procurement officers.
Instruction: *All Versions:* Lectures and practical exercises in the fundamentals, policies, and procedures of procurement. *Version 1:* Course includes procurement fundamentals, formal advertising and negotiation, specialized procurement procedures and administration. *Version 2:* Course includes statutes and publications governing procurement, procurement and production authorities and delegations, programming, budgeting and funding, value engineering, quality assurance, disputes and appeals, formal advertising, and negotiation; procurement management; base procurement organization; vendor-procurement personnel relationship; types of base procurement contracts; and contract administration.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in procurement or purchasing (8/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in procurement or purchasing (8/74).

AF-1405-0039

LOGISTICS PLANNER

Course Number: 3AZR66000.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 6 weeks (156 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To train enlisted personnel to serve as logistics planners for supply, maintenance, transportation, procurement, and service functions.
Instruction: Lectures and practical exercises in logistics planning for supply, maintenance, transportation, procurement, and service functions. Course includes introduction to logistics planning, programming and budgeting management of war reserve materiel, and mobility concepts and procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in logistics (8/74).

AF-1405-0040

CHIEF OF SUPPLY MANAGEMENT

Course Number: 3OZR6411.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (90 hours).
Exhibit Dates: 5/71–12/73.
Objectives: To train selected commissioned officers to perform as supply managers.
Instruction: Lectures and practical exercises in the management of supply functions. Course includes supply management responsibilities, repair cycles, bench stock, materiel facilities, equipment management, stock control, stock funds, data analysis, fuels and munitions.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in supply management (8/74).

AF-1405-0043

RESEARCH AND DEVELOPMENT PROCUREMENT OFFICER

Course Number: 3OBR6531-6.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 6–9 weeks (180–258 hours).
Exhibit Dates: 4/70–12/73.
Objectives: To train selected commissioned officers to perform duties in the procurement of research and development services.
Instruction: Lectures and practical exercises in the procurement of research and development services. Course includes fundamentals of procurement and production; planning, programming and budgeting; processing of purchase requests; evaluation of proposals and work statements; technical coordination; funding; and selection of contracts.
Credit Recommendation: In the vocational certificate category, 2 semester hours in research and development procurement (8/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in research and development procurement (8/74); in the upper-division baccalaureate category, 2 semester hours in research and development procurement (8/74).

AF-1405-0045

1. MEDICAL MATERIEL SUPERVISOR (B-3500)
2. MEDICAL MATERIEL SUPERVISOR
3. MEDICAL MATERIEL SUPERVISOR

Course Number: *Version 1:* 3AZR71570. *Version 2:* AAR91570-1; AAR91570; AAR90671. *Version 3:* AA90671.
Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX; *Version 2:* Medical Service School, Gunter AFB, AL. *Version 3:* School of Aviation Medicine, Gunter AFB, AL.

BEST COPY AVAILABLE

Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 6–7 weeks (210–258 hours). *Version 3:* 10 weeks (390 hours).

Exhibit Dates: *Version 1:* 5/71–12/73. *Version 2:* 5/62–4/71. *Version 3:* 7/55–4/62.

Objectives: To train enlisted personnel to perform supervisory and managerial duties in medical materiel services.

Instruction: *All Versions:* Lectures and practical exercises in the supervision and management of medical materiel services. *Version 1:* Course includes electronic data processing systems; processing and quality control of computer input and output; inventory control; inventory management; equipment control; and budgetary control. *Version 2:* Course includes accounting and document control; acquisition and management of medical materiel stocks; administrative practices and procedures, principles of management and personnel; and principles of effective communication.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in introduction to computer science, 3 in business administration (7/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in supply administration(12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0047

AMMUNITION OFFICER (MUNITIONS)
(Ammunition Officer)

Course Number: OBR3251A; OB3251.

Location: 3425th Technical School, Lowry AFB, CO.

Length: 8–12 weeks (240–360 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train officers as ammunition officers.

Instruction: Lectures and practical exercises in the duties of ammunition officers, including air armament administration and management; ammunition general familiarization; CW-BW agents, munitions, and protective measures; decontamination; supply, storage, and disposal of ammunition and explosives; and nuclear weapons.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in supply management (12/68).

AF-1405-0048

PURCHASING AND CONTRACTING OFFICER
(Procurement Officer)

Course Number: OB6441.

Location: 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 12 weeks (360 hours).

Exhibit Dates: *Version 1:* 11/55–12/68. *Version 2:* 12/54–10/55.

Objectives: To train officers and civilian personnel in purchasing and contracting.

Instruction: *All Versions:* Lectures and practical exercises in purchasing and contracting, including introduction to procurement, and procurement policies and procedures. *Version 2:* Topics include contract administration and termination.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in principles of contract negotiation (12/68). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in principles of contract negotiation (12/68).

AF-1405-0049

AUTOMOTIVE SHOP MANAGEMENT

Course Number: AZR47170; ATS47000-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 12/58–12/68.

Objectives: To train personnel in automotive shop management.

Instruction: Lectures and practical exercises in automotive shop management, including publications and related maintenance subjects; shop organization, supply functions, and shop layout; inspection and production control operations; and administration, supervision and training.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0050

WAREHOUSING SUPERVISOR

Course Number: AA64171.

Location: 3450th Technical School, Warren AFB, WY.

Length: 6–7 weeks (180–210 hours).

Exhibit Dates: 8/54–12/68.

Objectives: To train warehouse specialists to supervise warehouse activities.

Instruction: Lectures and practical exercises in the supervision of warehouse activities. Course includes classification of equipment, use of supply catalogs, technical publications, planning and arrangement of storage facilities, WNK measurement, inventory preparation, and disposal procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in supply management (12/68).

AF-1405-0051

INVENTORY MANAGEMENT SPECIALIST BY CORRESPONDENCE

Course Number: 64550.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 10/83–Present.

Objectives: The inventory management course provides information regarding inventory procedures, recordkeeping and filing of records concerning materials and equipment in stock.

Instruction: The course content provides background information and specific procedures for completing inventory records, requisitioning materials, preparing stock control records and reports, issuing supplies and materials, handling retail sales, preparing cash receipts, and filing various records.

Credit Recommendation: In the vocational certificate category, 2 semester hours in inventory of material (10/85). In the lower-division baccalaureate/associate degree category, 2 semester hours in records management, 1 semester hour in filing (10/85).

AF-1405-0052

1. SUPPLY MANAGEMENT STAFF OFFICER
2. SUPPLY MANAGEMENT STAFF OFFICER
3. SUPPLY MANAGEMENT STAFF OFFICER
4. SUPPLY MANAGEMENT STAFF OFFICER
   (Supply Staff Officer)
5. SUPPLY STAFF OFFICER
   (Supply Officer)
   (Advanced Supply Officer)
6. SUPPLY STAFF OFFICER
   (Supply Officer)
   (Advanced Supply Officer)

Course Number: *Version 1:* 3OAR6411-1. *Version 2:* 3OAR6411-1. *Version 3:* 3OAR6411-1. *Version 4:* OAR6411-1; OAR6411. *Version 5:* OAR6411; OA6411. *Version 6:* OA6411; OAR6411.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3415th Technical School, Lowry AFB, CO. *Version 4:* 3415th Technical School, Lowry AFB, CO. *Version 5:* 3320th Technical School, Amarillo AFB, TX. *Version 6:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 6–8 weeks (244 hours). *Version 3:* 6 weeks (180 hours). *Version 4:* 8–9 weeks (234–267 hours). *Version 5:* 10 weeks (294–300 hours). *Version 6:* 10 weeks (294–300 hours).

Exhibit Dates: *Version 1:* 9/70–12/73. *Version 2:* 12/69–8/70. *Version 3:* 6/68–11/69. *Version 4:* 11/63–5/68. *Version 5:* 8/55–10/63. *Version 6:* 8/55–10/63.

Objectives: To train personnel as supply staff officers or to give supply officers advanced training.

Instruction: *All Versions:* Lectures and practical exercises in supply, including allied supply support, supply services, management, and base supply accounting. *Version 1:* Topics include control of the supply system, analysis of major command management objectives, applied management principles and techniques, analysis of supply management reports and listings, interrelationships between various base support functions and base supply, relationship of base supply to AFLC depots, general techniques of internal operation for base supply branches and sections, and specific techniques for management of functional areas. *Version 2:* Topics include control of the supply system, analysis of major command management objectives, applied management principles and techniques, analysis of supply management reports and listings, interrelationships between various base support functions and base supply, relationship of base supply to AFLC depots, general techniques of internal operation for base supply branches and sections, and specific techniques for management of functional areas. *Version 3:* Topics include staff study reports and staff visits, supply financial management systems, supply improvement and work measurement programs, management controls, placement and management of Air Force assets, supply sources, prescribed storage procedures, monetary and item accounting, ground communications and electronics, management techniques, disposition of excesses and electronic data processing, operational plans and programs, budget and funding, and weapon and ballistic missile support systems. *Version 4:* Topics include staff study reports and staff visits, supply financial management systems, supply improvement and work measurement programs, management controls, placement and management of Air Force assets, supply sources, prescribed storage procedures, monetary and item accounting, ground communications and electronics, selective management techniques, disposition of excesses, mechanized and electronic data processing, operational plans and programs, budget and funding, weapon and ballistic missile support systems, and facilities planning. *Version 5:* Topics include publications in supply management, inventory control,

BEST COPY AVAILABLE

and the management process. *Version 6:* Topics include publications, inventory control, and the management process.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in supply management (8/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in supply management (8/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74). *Version 5:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74). *Version 6:* In the upper-division baccalaureate category, 2 semester hours in supply management (8/74).

AF-1405-0055

PROCUREMENT OFFICER

Course Number: *Version 1:* 3OBR6531-1. *Version 2:* OBR6531; OBR6621; OB6621. *Version 3:* OBR6531; OBR6621; OB6621.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 7 weeks (204 hours). *Version 2:* 6–7 weeks (180–240 hours). *Version 3:* 6–7 weeks (180–240 hours).

Exhibit Dates: *Version 1:* 9/68–12/73. *Version 2:* 6/56–8/68. *Version 3:* 6/56–8/68.

Objectives: To train commissioned officers to perform as procurement officers.

Instruction: Lectures and practical exercises in the duties of a procurement officer. Topics include procurement procedures, methods of procurement, types of contracts, contract preparation, and administrative procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in procurement management (8/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in principles of contract negotiation (12/68). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in principles of contract negotiation (12/68).

AF-1405-0056

DISPOSAL MANAGEMENT

Course Number: OTS6631-1.

Location: 3320th Technical School, Amarillo AFB, TX.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train selected commissioned officers to manage and dispose of excess and surplus personal property.

Instruction: Lectures and practical exercises in the disposal and management of excess and surplus personal property. Course includes storage procedures; facilities; materials handling; establishment of records; reporting of excess property; planning and conducting spot bid sales, sealed bid sales, auctions, and retail and negotiated sales.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in supply management (12/68).

AF-1405-0059

INVENTORY MANAGEMENT SUPERVISOR BY CORRESPONDENCE

Course Number: 64570.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 7/84–Present.

Objectives: This courses provides a review of functions and procedures regarding inventory management in the Air Force and it provides information for supervisors in supervising, training, and assigning of personnel in inventory control.

Instruction: This course includes a review of various functions involved in inventory management such as completing inventory records, requisitioning materials, preparing stock control records and reports, issuing supplies and materials, handling retail sales and manual accounting procedures. In addition, it provides information for assigning, training and evaluating of personnel; for identifying, planning, developing, and changing procedures concerning inventory management; for interpreting policies; and for developing inventory schedules.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in record management (10/85). In the upper-division baccalaureate category, 2 semester hours in principles of supervision (10/85).

AF-1406-0003

RECRUITER

Course Number: 3AZR99120.

Location: School of Applied Aerospace Sciences (ATC), Lackland AFB, TX; 3275th Technical School, Lackland AFB, TX.

Length: 7 weeks (391 hours).

Exhibit Dates: 8/73–12/73.

Objectives: To train noncommissioned officers in the procedures and techniques of recruiting.

Instruction: Lectures in principles of recruiting, including sales techniques, record keeping, advertising principles and merchandising techniques, public relations, speech fundamentals and practice speaking, classifying and processing applicants, eligibility requirements, and techniques in qualifying a prospect.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in public relations or marketing (2/74).

AF-1406-0004

1. MANPOWER MANAGEMENT TECHNICIAN
2. MANAGEMENT TECHNICIAN

Course Number: *Version 1:* AL73330. *Version 2:* AL80170.

Location: 3310th Technical School, Scott AFB, IL. *Version 1:* 3700th Technical School, Lackland AFB, TX.

Length: *Version 1:* 6–8 weeks (180–240 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 9/55–12/68. *Version 2:* 5/54–8/55.

Objectives: To train airmen to perform studies of management methods, organizational structures, and manpower utilization and allocation.

Instruction: *All Versions:* Lectures and practical exercises in analysis of organizational structures, and in utilization of manning tables, personnel methods, and management techniques. *Version 1:* Lectures on conducting management training and on management engineering techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in management analysis, and 2 in principles of personnel management (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in personnel administration (12/68).

AF-1406-0005

PERSONNEL SPECIALIST
(Classification Specialist)

Course Number: 3ABR73230; 3ABR73230-1; ABR73230-1; ABR73230; AB73230; AB73231.

Location: 3380th Technical School, Keesler AFB, MS; 3320th Technical School Amarillo AFB, TX; 3505th Technical School, Greenville AFB, MS; 3700th Technical School, Lackland AFB, TX; 3310th Technical School, Scott AFB, IL.

Length: 7–18 weeks (306–480 hours).

Exhibit Dates: 5/54–12/73.

Objectives: To provide airmen with the knowledge and skills of apprentice personnel specialists.

Instruction: Lectures in career assistance and counseling; personnel records, data control; typing; and pay, allowances, and personal affairs procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in personnel classification, and credit in typing on the basis of institutional evaluation (12/68).

AF-1406-0006

RECRUITER
(USAF Recruiter)

Course Number: AZR99120; XX99020; SS99020.

Location: 3275th Technical School, Lackland AFB, TX; 3700th Technical School, Lackland AFB, TX.

Length: 8–9 weeks (228–308 hours).

Exhibit Dates: 1/55–12/68.

Objectives: To train enlisted personnel to be recruiters.

Instruction: Lectures in recruiting, including information dissemination, speech fundamentals, telephone techniques, processing applicants, counseling, service benefits, eligibility requirements, selective recruiting concepts, reporting for the press, community relations, radio and TV, high school program, printed publicity, practice speaking, and practice selling.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in salesmanship (6/74).

AF-1406-0009

CRITERION REFERENCED INSTRUCTION (CRI) WORKSHOP

Course Number: CRI-1; 120010.

Location: Tactical Air Command, Nellis AFB, NV; Strategic Training Squadron (SAC), Patrick AFB, FL; Strategic Training Squadron (SAC), Shaw AFB, SC; Strategic Training Squadron (SAC), Luke AFB, AZ; Strategic Training Squadron (SAC), Holloman AFB,NM; Strategic Training Squadron (SAC), Hill AFB, UT; Strategic Training Squadron (SAC), Luke AFB, AZ; Strategic Training Squadron (SAC), Davis-Monthan AFB, AZ; Strategic Training Squadron (SAC), Cannon AFB,NM; Strategic Training Squadron (SAC), Mt. Home AFB, ID; Strategic Training Squadron (SAC), George AFB, CA; Strategic Training Squadron (SAC), Tinker AFB, OK; Strategic Training Squadron (SAC), Eglin AFB, FL; Strategic Training Squadron (SAC), Carswell AFB, TX.

Length: Self-paced 3 weeks (120 hours).

Exhibit Dates: 4/76–Present.

Objectives: The course is designed for U.S. Air Force officers, airmen and civilian personnel to teach the preparation of crite-

BEST COPY AVAILABLE

rion-referenced instruction to support Instructional System.

Instruction: Training includes performing task and goal analyses, preparing criterion objectives and tests, identifying relevant course sterials, designing course control documents, and applying performance management principles. Emphasis is placed on anaysis, design, and implementation. Course is conducted in a self-paced workshop format in a 3-week, 120-hour design and provides learning materials, multi-media instruction, and resource persons to enrollees.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in instructional design (8/77); In the graduate degree category, credit may be considered on the basis of individual institutional policy and evaluation (9/79).

AF-1406-0010

PILOT INSTRUCTOR TRAINING (T-38)

Course Number: F-V5A-B.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, Tyndall AFB, FL.

Length: 13 weeks (210 hours).

Exhibit Dates: 2/73–Present.

Objectives: To train pilots as instructor pilots.

Instruction: Lectures and practical exercises in pilot instructor training, including policies and procedures, contact flying, formation flying, synthetic instrument training, instrument flying, principles of instruction, aircraft systems, applied aerodynamics, flight planning, air traffic control, pilot procedures, flight rules, and methods and techniques.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods (6/75).

AF-1406-0011

PILOT INSTRUCTOR TRAINING (T-41)

Course Number: F-V5C-B; F-V5C-B-O.

Location: Air Training Command, Petersen Field, CO.

Length: 5 weeks (93–97 hours).

Exhibit Dates: 9/67–5/74.

Objectives: To train pilots as aircraft instructor pilots.

Instruction: Lectures and practical exercises in instructional methods as applied to flight training. Course includes flight training, aircraft systems, flying safety, and principles of instruction.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in teacher education (6/74); in the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (12/68).

AF-1406-0021

PILOT INSTRUCTOR TRAINING (T-37)

Course Number: F-V5A-A; F111507Q.

Location: Air Training Command, Randolph AFB, TX; Air Training Command, Perrin AFB, TX; Air Training Command, James Connally AFB, TX; Air Training Command, Williams AFB, AZ.

Length: 9–13 weeks (192–224 hours).

Exhibit Dates: 4/63–Present.

Objectives: To train pilots as flight instructors in T-37 aircraft.

Instruction: Lectures and practical exercises in methods of instruction, grading and testing techniques, aircraft systems, applied aerodynamics, flight planning, flying safety, base management system, and contact, instrument, and formation flying.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods (6/75).

AF-1406-0023

TECHNICAL INSTRUCTOR

Course Number: 5AIK75100.

Location: Security Service School, Goodfellow AFB, TX.

Length: *Version 1:* 16 weeks (480 hours). *Version 2:* 6 weeks (172 hours).

Exhibit Dates: *Version 1:* 4/71–12/73. *Version 2:* 4/68–3/71.

Objectives: To train newly assigned instructor personnel to perform classroom instruction.

Instruction: Lectures and practical exercises in instructional methods. Course includes principles of learning, communication skills, instructional aids, evaluation techniques, instructional management, and a wide range of material in the psychology and philosophy of education.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in tests and measurement, 6 in instructional methods (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-1406-0024

1. INSTRUCTIONAL SYSTEMS MATERIALS DEVELOPMENT (Instructional Programmer)
2. INSTRUCTIONAL PROGRAMMER

Course Number: *Version 1:* 3AZR75100. *Version 2:* AZR75100.

Location: *Version 1:* 3275th Technical School, Lackland AFB, TX; *Version 1:* 3375th Technical School, Lackland AFB, TX. *Version 2:* 3375th Technical School, Lackland AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 11/65–12/70.

Objectives: To train airmen and officers in instructional systems technology.

Instruction: *All Versions:* Lectures and practical exercises in instructional programming/systems technology, including theory of programmed/systems instruction, program planning and writing, test development, editing instructional materials, and task/subject analysis. *Version 1:* Includes development of learning objectives, theory of self-instruction and self-instructional programs, instructor-presented programs, audiovisual programs, and validation and implementation. *Version 2:* Includes stimulus-response inventory and teaching points, chaining procedures, and terminal and subterminal frames.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 10 semester hours in instructional technology with emphasis on programmed instruction (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional programming in the field of teacher education (12/68).

AF-1406-0027

OTS INSTRUCTOR TRAINING

Course Number: 3OIR0904-1; 3OIR7531-1.

Location: Officer Training School, Lackland AFB, TX.

Length: 3 weeks (80–98 hours).

Exhibit Dates: 6/69–12/73.

Objectives: To train officers as instructors for officer training school.

Instruction: Lectures and practical exercises in the duties of instructors for officer training school, including psychology of learning, communications, practice teaching using lectures, discussion and demonstration/performance methods, measurement and evaluation procedures, sports refereeing, and school administrative procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in instructional technology (7/74).

AF-1406-0028

MULTI-MEDIA TEACHING SYSTEM (DEVELOPMENT)

Course Number: 3AZR75173-1.

Location: Training Center, Lackland AFB, TX.

Length: 4 weeks (120 hours).

Exhibit Dates: 9/69–12/73.

Objectives: To train enlisted personnel as traffic safety assistants capable of using multimedia teaching systems.

Instruction: Lectures and practical exercises in preparation of multimedia training materials for traffic safety courses, including curriculum analysis, learning objectives, teaching points and sequencing of teaching points, preparation of visual aids, selection of visual aids, script and audio track preparation, and visual assembly.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in instructional media methodology on the basis of institutional evaluation (7/74);

AF-1406-0029

INSTRUMENT PILOT INSTRUCTOR (HELICOPTER)

Course Number: F-V5G-G.

Location: Air Training Command, Randolph AFB, TX.

Length: 6 weeks (188–195 hours).

Exhibit Dates: 8/72–Present.

Objectives: To train rated helicopter pilots to perform as instrument flight instructors.

Instruction: Lectures and practical exercises in instrument flight instruction techniques and procedures. Course includes principles of instruction/evaluation, navigational aids, weather, and FAA regulations.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in teacher education (7/74).

AF-1406-0030

TECHNICAL INSTRUCTOR

Course Number: *Version 1:* 3AIR75100-X; 3AIR75100-2; 3AIR75100-4; 3AIR75100-5; 3AIR75100-6. *Version 2:* 3AIR75100-6; AIR75100-1; AIR75100-2; AIR75100-3; AIR75100-4; AIR75100-6; IT75100-1; IT75100-4; IT75100-6; IT75100.

Location: Technical School, Lowry AFB, CO; Technical School, Lackland AFB, TX; Technical School, Amarillo AFB, TX; Technical School, Warren AFB, WY; Technical School, Parks AFB, CA; Technical School, Sheppard AFB, TX; Technical School, Keesler AFB, MS; Technical School, Scott AFB, IL; Technical School, Chanute AFB, IL; Technical School, Randolph AFB, TX.

BEST COPY AVAILABLE

Length: *Version 1:* 8 weeks (240 hours). *Version 2:* 8 weeks (240–246 hours).
Exhibit Dates: *Version 1:* 3/68–Present. *Version 2:* 11/54–2/68.
Objectives: To train enlisted personnel as technical instructors.
Instruction: *All Versions:* Lectures and practical exercises in instructional methods and techniques, including communication, learning principles, developmental teaching concepts, preparing objectives and lessons, various methods of teaching, instructional aids, counseling, measurement procedures, study techniques, and administration and practice teaching. *Version 1:* Includes programmed instruction.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in observation and methods, 2 in instructional technology, and 3 in practice teaching (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-1406-0031

PERSONNEL STAFF OFFICER

Course Number: 3OAR7311; OAR7311.
Location: 3380th Technical School, Keesler AFB, MS; 3320th Technical School, Amarillo AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 9/67–12/73.
Objectives: To train personnel staff officers to manage personnel and to perform numerous personnel functions.
Instruction: Lectures and practical exercises in personnel management. Topics include human relations and management; personnel data systems; planning and programming; performance evaluation systems; and military-related personnel subjects.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in personnel management (12/68).

AF-1406-0032

MAJOR COMMAND (MAJCOM) MANPOWER PROCEDURES

Course Number: 2ASR73370-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 5 weeks (150 hours).
Exhibit Dates: 5/68–2/71.
Objectives: To train enlisted personnel as manpower specialists.
Instruction: Lectures and practical exercises in data code and allocation routines, basic authorization and unit control routines, balance routine, manpower reports, and inquiry routines.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in manpower management (12/68).

AF-1406-0033

PROFESSIONAL PERSONNEL MANAGEMENT

Course Number: LMDC 501.
Location: Leadership and Management Development Center, Air University, Maxwell AFB, AL.
Length: 6 weeks (204–248 hours).
Exhibit Dates: 6/66–Present.
Objectives: To train senior personnel in advanced management techniques.
Instruction: Lectures and practical exercises in the skills necessary to manage and handle facets of personnel management. Course includes Department of Defense management environment, management processes, human relations, management systems and quantitative methods, and personnel processes.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in management, 3 in labor relations (2/74).

AF-1406-0034

ACADEMIC INSTRUCTOR

Course Number: None.
Location: Air University, Maxwell AFB, AL.
Length: *Version 1:* 5–6 weeks (200–240 hours). *Version 2:* 6 weeks (260 hours). *Version 3:* 6 weeks (260–264 hours).
Exhibit Dates: *Version 1:* 6/68–Present. *Version 2:* 1/64–5/68. *Version 3:* 1/54–12/63.
Objectives: To train commissioned officers to improve their effectiveness as academic instructors.
Instruction: Lectures and practical exercises in the improvement of academic instruction techniques. Course includes educational foundations and philosophy, communication techniques, test and measurement, educational methodology, instructional technology, and instructional television.
Credit Recommendation: *Version 1:* In the vocational certificate category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 4 in educational methodology, 2 in instructional technology, 2 in tests and measurement, 3 in instructional television (7/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 4 in educational methodology, 2 in instructional technology, 2 in tests and measurements, 3 in instructional television (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods (12/68). *Version 2:* In the vocational certificate category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 1 in tests and measurements, 5 in educational methodology, 2 in instructional technology, 3 in instructional television (7/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 1 in tests and measurement, 5 in educational methodology, 2 in instructional technology, 3 in instructional television (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods (12/68). *Version 3:* In the vocational certificate category, 2 semester hours in educational foundations and philosophy, 1 in communication and techniques, 1 in tests and measurement, 5 in educational methodology, 2 in instructional technology (7/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in educational foundations and philosophy, 1 in communication techniques, 1 in tests and measurement, 5 in educational methodology, 2 in instructional technology (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods (12/68).

AF-1406-0035

MANPOWER MANAGEMENT OFFICER

Course Number: OL7331.
Location: 3310th Technical School, Scott AFB, IL.
Length: 7 weeks (210 hours).
Exhibit Dates: 12/54–12/68.
Objectives: To train selected officers and civilians to perform as manpower managers.
Instruction: Lectures and practical exercises in the duties of a manpower manager. Course includes manpower management and program planning; conference leadership; executive development and human relations; work simplification and measurement, production planning and industrial organization; mission organization analysis and management review; and manning procedures and classification and assignment of military personnel.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in manpower management methods (12/68).

AF-1406-0036

PERSONNEL OFFICER

Course Number: *Version 1:* 3OBR7321. *Version 2:* OBR7321-1. *Version 3:* OBR7321. *Version 4:* OBR7321. *Version 5:* OB7321. *Version 6:* OB7321.
Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3505th Technical School, Greenville AFB, MS. *Version 4:* 3505th Technical School, Greenville AFB, MS. *Version 5:* 3275th Technical School, Lackland AFB, TX. *Version 6:* 3310th Technical School, Scott AFB, IL.
Length: *Version 1:* 8 weeks (228 hours). *Version 2:* 8–9 weeks (240–264 hours). *Version 3:* 12 weeks (360 hours). *Version 4:* 8–9 weeks (240–270 hours). *Version 5:* 12–15 weeks (360–450 hours). *Version 6:* 12–15 weeks (360–450 hours).
Exhibit Dates: *Version 1:* 3/71–12/73. *Version 2:* 7/65–2/71. *Version 3:* 9/63–6/65. *Version 4:* 7/61–8/63. *Version 5:* 6/54–6/61. *Version 6:* 6/54–6/61.
Objectives: To train officers as personnel officers.
Instruction: *All Versions:* Lectures and practical exercises in supervising and coordinating the classification and assignment of military and civilian personnel, including personnel fundamentals and procedures. *Version 1:* Topics include personnel data systems; career control; quality control; and processing section, personal affairs section and administration. *Version 2:* Topics include career control and administration, quality control, and data control and personal affairs. *Version 3:* Topics include personal affairs fundamentals and procedures, and personnel administration and data systems. *Version 5:* Topics include personnel administration and control methods. *Version 6:* Topics include personnel administration and control methods.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in personnel administration (8/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in personnel classification (12/68). *Version 4:* In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/68). *Version 5:* In the upper-division baccalaureate category, 6 semester hours in personnel classification (12/68). *Version 6:* In the upper-division baccalaureate category, 6 semester hours in personnel classification (12/68).

AF-1406-0037

RECRUITING OFFICER

Course Number: 3OZR0902.

BEST COPY AVAILABLE

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 3 weeks (90–118 hours).
Exhibit Dates: 4/73–12/73.
Objectives: To train selected commissioned officers to manage recruiting activities.
Instruction: Lectures and practical exercises in the management of recruiting activities. Course includes salesmanship, sales management, sales training, and sales promotion.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in salesmanship (8/74).

AF-1406-0038

AIR NATIONAL GUARD RECRUITER
Course Number: 3AZR99120-2.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 1/73–12/73.
Objectives: To train commissioned and noncommissioned officers to recruit personnel for the armed services.
Instruction: Lectures and practical exercises in the recruitment of personnel into the armed services. Course includes speech fundamentals; sales fundamentals; practice selling; community relations; advertising and publicity; eligibility requirements; and processing and classification.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in salesmanship (8/74).

AF-1406-0039

1. ATC INSTRUCTOR TRAINING (ATC Instructor Training (Navigator))
2. ATC INSTRUCTOR TRAINING (NAVIGATOR)
3. ATC INSTRUCTOR TRAINING (NAVIGATOR) (Navigator Instructor Training) (Instructor Training for Aircraft Observer)

Course Number: *Version 1:* B-V7D-A. *Version 2:* B-V7D-A. *Version 3:* 753101-N; 753100; 51-33.
Location: Air Training Command, Mather AFB, CA. *Version 3:* Air Training Command, Scott AFB, IL.
Length: *Version 1:* 10–14 weeks (261–403 hours). *Version 2:* 8 weeks (95 hours). *Version 3:* 5–6 weeks (104–200 hours).
Exhibit Dates: *Version 1:* 5/74–Present. *Version 2:* 8/70–4/74. *Version 3:* 1/51–7/70.
Objectives: To train enlisted personnel to perform the duties of flight trainer and academic instructor in a navigator training program.
Instruction: Lectures and practical exercises in the duties of an instructor in a navigator flight training program. Course includes psychology of learning, oral and written communications techniques, evaluation and measurement of student achievement, instructional technology, and practice teaching.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 4 semester hours in instructional methods *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods and/or technology, 1 in observation and methods (7/74); in the upper-division baccalaureate category, 3 semester hours in instructional methods and/or instructional technology, 1 in observation and methods (7/74). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in instructional methods and/or technology, 1 in observation and methods (7/74); in the upper-division baccalaureate category, 2 semester hours in instructor training (12/68).

AF-1406-0040

PERSONNEL TECHNICIAN
Course Number: AAR73270-I; AAR73270; AA73270.
Location: *Version 1:* 3320th Technical School, Amarillo AFB, TX. *Version 2:* 3505th Technical School, Greenville AFB, MS. *Version 3:* 3275th Technical School, Lackland AFB, TX. *Version 4:* 3310th Technical School, Scott AFB, IL.
Length: 8–11 weeks (240–330 hours).
Exhibit Dates: 9/54–12/68.
Objectives: To train enlisted personnel as personnel administration technicians.
Instruction: Lectures and practical exercises in personnel administration, including interviewing and counseling techniques, job analysis, personnel testing, classification and assignment of officer and enlisted personnel, military records, personnel actions, personnel evaluation, pay and benefits, accounting, and personnel data system.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/68).

AF-1406-0041

ATC INSTRUCTOR TRAINING
Course Number: S-V8D-A.
Location: Air Training Command, Randolph AFB, TX.
Length: 3–4 weeks (96–98 hours).
Exhibit Dates: 1/75–Present.
Objectives: To train technically qualified personnel to teach and supervise the instruction of academic and technical subjects.
Instruction: Lectures and practical exercises in course curriculum development; psychology of learning; communications; methods and techniques of instruction; practice teaching; and grading techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in teacher education (6/75); in the upper-division baccalaureate category, 2 semester hours in teacher education (6/75).

AF-1406-0043

PERSONNEL TECHNICIAN BY CORRESPONDENCE
Course Number: 73270.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 9/83–Present.
Objectives: To provide specialty training in the management of personnel control systems.
Instruction: This course is designed to provide personnel technicians with an overview of a personnel data system and its interface with the organization's computer system, with assessment techniques for selection, and with procedures for maximizing personnel utilization including placement, advancement, transfer, and separation.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in personnel management or human resource management (10/85).

AF-1406-0044

PERSONNEL SPECIALIST BY CORRESPONDENCE
Course Number: 73250.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 2/82–Present.
Objectives: To train personnel technicians in the basic areas of human resource management and to familiarize them with the policies and procedures relating to evaluation, placement and movement of personnel.
Instruction: The course addresses the duties and responsibilities of the personnel technician in the areas of interviewing, position classification, auditing of personnel records and reports, career motivation counseling, data collection, and the conducting of occupational surveys.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in personnel administration or human resource management (10/85).

AF-1408-0002

FINANCIAL ADMINISTRATION
Course Number: 3OAR6711.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 11 weeks (342 hours).
Exhibit Dates: 1/72–12/73.
Objectives: To train career officers and key civilian personnel for positions in financial administration.
Instruction: Lectures on management theory, planning, programming, and budgeting systems; quantitative analysis techniques; resource management accounting systems; and automated systems.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in financial administration (2/74).

AF-1408-0003

DEFENSE CONTRACT PRICING TECHNIQUES
Course Number: 142.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4 weeks (120 hours).
Exhibit Dates: 9/71–6/74.
Objectives: To provide selected military and civilian personnel with the analytical tools and techniques required to apply economics and statistics to cost-price problems in procurement.
Instruction: Lectures on quantitative review; cost/volume/profit analysis; cost element analysis; make or buy determinations; profit analysis; contract pricing arrangements.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business economics (12/68).

AF-1408-0004

PROFESSIONAL MILITARY COMPTROLLER
Course Number: LMDC 400.
Location: Leadership and Management Development Center, Air University, Maxwell AFB, AL.
Length: *Version 1:* 8 weeks (233 hours). *Version 2:* 9 weeks (360 hours).
Exhibit Dates: *Version 1:* 9/72–Present. *Version 2:* 1/68–8/72.
Objectives: To train officers to serve as comptrollers or resource managers.

BEST COPY AVAILABLE

Instruction: Lectures, seminars and case studies in economics, finance, managerial accounting, human relations, computer management including theories and concepts relating to research techniques, executive expression, quantitative methods and resource management. Programs include individual research and application of computer techniques in the subject areas.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 19 semester hours in business administration (2/74); in the graduate degree category, 3 semester hours in organizational management, 3 in financial and economic analysis (4/76). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in business administration (2/74).

AF-1408-0006

MAINTENANCE ENGINEERING PRODUCTION ANALYSIS
(Maintenance Analysis)

Course Number: 3OZR4344; OZR4344; XX4544.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6–8 weeks (180–228 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train officers and civilians in the techniques of maintenance data analysis.

Instruction: Lectures on the function and responsibilities of maintenance staff activities, statistical methods, data systems, data processing, and analytical methods.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in statistical analysis (12/68).

AF-1408-0007

MAINTENANCE ENGINEERING PRODUCTION ANALYSIS

Course Number: AZR45170.

Location: Technical Training Center, Chanute AFB, IL.

Length: 6 weeks (180 hours).

Exhibit Dates: 3/60–12/68.

Objectives: To train airmen to work with statistical methods in the analysis of maintenance production data.

Instruction: Lectures on practical mathematics and statistics, control charts and standards, and analysis.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in statistical analysis (12/68).

AF-1408-0008

DEFENSE ADVANCE PROCUREMENT PRICING

Course Number: 145.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3 weeks (102 hours).

Exhibit Dates: 12/68–6/74.

Objectives: To train officers and civilian personnel to serve as cost estimators and price analysts.

Instruction: Practical exercises in quantitative methods, including risk and financial analysis; index numbers; parametric, direct, and indirect cost models, and forecasting techniques.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in quantitative methods (2/74).

AF-1408-0009

1. MANAGEMENT ANALYSIS SPECIALIST
2. MANAGEMENT ANALYSIS SPECIALIST
3. MANAGEMENT ANALYSIS TECHNICIAN

Course Number: *Version 1:* 3ABR69130. *Version 2:* 3ALR69130. *Version 3:* ALR68330, AZR68370.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 10–11 weeks (300–342 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 9–10 weeks (270–300 hours).

Exhibit Dates: *Version 1:* 2/70–12/73. *Version 2:* 3/68–1/70. *Version 3:* 9/63–2/68.

Objectives: To provide enlisted personnel with basic training in management analysis.

Instruction: Lectures and practical exercises in management concepts and techniques, including program, progress, mission, statistical, and financial analysis, and application of analytical methods to decisive areas.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in basic statistics, 2 in applied statistical analysis (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in basic statistics, 2 in financial analysis, 2 in applied management analysis (12/68). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in oral/written communication, 5 in financial analysis, 3 in applied management analysis (12/68).

AF-1408-0010

QUANTITATIVE METHODS FOR ADVANCED PROCUREMENT PRICING

Course Number: 144.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 2 weeks (60 hours).

Exhibit Dates: 1/73–6/74.

Objectives: To provide experienced procurement officers with advanced training in applied statistical analysis.

Instruction: Lectures in statistical analysis as applied to advanced procurement-pricing techniques, including fundamentals of computer programming, systems analysis, sampling techniques, curvilinear regression and multiple regression analysis, and statistics and mathematics review.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in applied statistics (2/74); in the upper-division baccalaureate category, 1 semester hour in applied statistics (2/74).

AF-1408-0011

DEFENSE WEAPONS SYSTEMS MANAGEMENT

Course Number: None.

Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.

Length: 10 weeks (250 hours).

Exhibit Dates: 1/64–6/71.

Objectives: To provide senior military and civilian personnel with knowledge of the concepts and activities involved in the design, engineering, acquisition, and support of major weapon systems.

Instruction: Lectures on the functions of national defense weapon systems; planning for system design, selection, and acquisition; contract definition and procurement policies; and management of acquisition and support, including design control, engineering, testing, production, logistics and support services, contract administration, and cost measurement and control.

Credit Recommendation: In the upper-division baccalaureate category, 9 semester hours in business administration (12/68).

AF-1408-0012

MANAGEMENT ENGINEERING SPECIALIST

Course Number: *Version 1:* 3ALR73331. *Version 2:* ALR73331.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 8–10 weeks (240–288 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 12/63–4/68.

Objectives: To train enlisted personnel as management engineering specialists.

Instruction: Lectures in mathematics, statistics, automatic data processing, queuing theory, motion study and time study, work sampling and simplification procedures, human relations, and correlation and regression analysis.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in industrial management (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hour in statistics (12/68).

AF-1408-0013

MAINTENANCE MANAGEMENT AND INFORMATION SYSTEMS

Course Number: 210.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3 weeks (104–120 hours).

Exhibit Dates: 4/69–6/74.

Objectives: To provide maintenance managers with supplementary training in maintenance management and information systems.

Instruction: Lectures and practical exercises in maintenance management and information systems, including maintenance policies and requirements, management concepts and research procedures, maintenance management information systems, financial management systems, data processing and computer logic, and quantity theory.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1408-0014

PRODUCTION MANAGEMENT II
(Advanced Production Management)

Course Number: 279.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 3 weeks (157 hours).

Exhibit Dates: 12/69–6/74.

Objectives: To provide production personnel with advanced training in defense production management.

Instruction: Lectures and seminars in principles of production management, production technology, procurement, problem and decision analysis techniques, and analysis of current management policy.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in production management (2/74); in the upper-division baccalaureate category, 2 semester hours in production management (2/74).

AF-1408-0015

BEST COPY AVAILABL.

STATISTICAL SERVICES SUPERVISOR

Course Number: AA68170; 83170.
Location: 3750th Technical School, Sheppard AFB, TX; 3415th Technical School, Lowry AFB, CO.
Length: 10–12 weeks (300 hours).
Exhibit Dates: 12/53–12/68.
Objectives: To train airmen in the organization, management, and supervision of statistical services activities.
Instruction: Lectures and practical exercises in an introduction to statistical services, methods of statistical analysis and presentation, personnel reporting, and material and operational statistics.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business organization/statistical analysis (12/54).

AF-1408-0016

ADVANCED COST AND ECONOMIC ANALYSIS

Course Number: 191.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4–7 weeks (117–120 hours).
Exhibit Dates: 3/69–6/74.
Objectives: To provide experienced cost analysts with specialized training in advanced economic analysis.
Instruction: Lectures and practical exercises in mathematics and statistics, use of regression and regression models, aircraft systems cost estimation, sensitivity analysis, problems of airlift and sealift, and cost effectiveness techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in cost analysis (2/74); in the upper-division baccalaureate category, 2 in the upper-division baccalaureate category, 2 semester hours in cost analysis (12/68).

AF-1408-0017

BUDGET SPECIALIST

Course Number: *Version 1:* 3ALR67230. *Version 2:* ALR67230; AZR67152.
Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 8 weeks (228–240 hours). *Version 2:* 8 weeks (240 hours).
Exhibit Dates: *Version 1:* 5/71–12/73. *Version 2:* 2/64–4/71.
Objectives: To train airmen in budgeting, financial planning, and financial management for Air Force personnel.
Instruction: Lectures and practical exercises in the fundamentals of Air Force budgeting, principles and procedures of budget administration, developing estimates of requirements, and preparation of operating budgets and financial plans.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in budgeting and financial administration (2/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in finance and budget planning (12/68).

AF-1408-0018

DISBURSING SUPERVISOR

Course Number: AA81170.
Location: 3415th Technical Training Center, Lowry AFB, CO.
Length: 13 weeks (390 hours).
Exhibit Dates: 3/54–12/68.
Objectives: To train enlisted personnel to supervise disbursing activities.
Instruction: Lectures in the duties of a disbursing supervisor. Course includes introduction to disbursing, military pay, travel allowances, commercial accounts, accounting for public funds, and financial office management.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in general business practice (12/68).

AF-1408-0019

DISBURSING CLERK

Course Number: AB81130.
Location: 3415th Technical Training Group, Lowry AFB, CO.
Length: 10 weeks (300 hours).
Exhibit Dates: 3/54–12/54.
Objectives: To train enlisted personnel in disbursing and accounting procedures.
Instruction: Lectures in the duties of a disbursing clerk. Course includes introduction to disbursing, military pay, travel allowances, commercial accounts, accounting for public funds, and financial office management.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in general business practice (12/68).

AF-1408-0021

FINANCIAL SERVICES SPECIALIST BY CORRESPONDENCE

Course Number: 67252.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 6/84–Present.
Objectives: To train the student to complete basic, standardized compensation statements and reports.
Instruction: This course prepares the student to complete both military and civilian compensation statements and reports in the areas of travel, leave, retirement, pensions, and insurance, to manipulate such statements and reports so as to interface with automated compensation systems, and to be familiar with control procedures for the disbursement of cash and negotiable instruments.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in introduction to finance or principles of finance (10/85).

AF-1408-0023

PERSONNEL SERVICES OFFICER

Course Number: OB7341.
Location: 3310th Technical School, Scott AFB, IL.
Length: 6 weeks (180 hours).
Exhibit Dates: 6/55–12/68.
Objectives: To train officers to manage personnel services activities for Air Force personnel and their dependents.
Instruction: Lectures and laboratories in personnel management, including human relations, vocational and educational guidance, personal affairs activities, character guidance, community services, and dependents education; and the personnel services organization, including funds, supplies, communications, and entertainment and recreational activities and facilities.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in applied sociology (12/68).

AF-1408-0024

EXECUTIVE ENGINEERING

Course Number: None.
Location: Civil Engineering School, Wright-Patterson AFB, OH.
Length: 3 weeks (115 hours).
Exhibit Dates: 2/73–6/74.
Objectives: To provide officers and civilian personnel with advanced training in civil engineering management.
Instruction: Lectures on motivational theory; communication; economics; leadership dynamics and creativity; and organizing, planning, and decision-making techniques.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in management (2/74).

AF-1408-0025

ADVANCED SYSTEMS BUYING

Course Number: 172.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 4 weeks (160 hours).
Exhibit Dates: 1/69–6/74.
Objectives: To teach officers and civilian personnel the basic principles of procurement management.
Instruction: Lectures in the principles of procurement management, including Army project procurement; economics; cost estimating, programming, scheduling, and controlling defense systems procurement; and leadership, decision-making, and communication techniques.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in industrial procurement (2/74).

AF-1408-0028

ADVANCED PERSONNEL OFFICER

Course Number: OA7341.
Location: 3310th Technical School, Scott AFB, IL.
Length: 8 weeks (240 hours).
Exhibit Dates: 10/54–12/68.
Objectives: To provide officers with advanced training in personnel administration.
Instruction: Lectures on human relations, oral and written communications, and personnel management, including evaluation, training, separations, promotions, classifications, interviewing, and counseling.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in personnel classification (12/54).

AF-1408-0032

MAINTENANCE SCHEDULING SPECIALIST

Course Number: 3ALR43330; ALR43330.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 8–10 weeks (240–288 hours).
Exhibit Dates: 11/63–4/70.
Objectives: To train airmen in the maintenance management functions of planning, scheduling, and controlling.
Instruction: Lectures and practical exercises in maintenance control mathematics; data systems and reports; forecasting operational support requirements and projecting capabilities; shop scheduling; controlling workload requirements; aerospace vehicle and equipment status reporting; and maintenance.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in maintenance management (12/68).

BEST COPY AVAILABLE

AF-1408-0033

CONTRACT ADMINISTRATION

Course Number: *Version 1:* 3AZR65170-2. *Version 2:* 3AZR65170-2; 3AZR65170-6. *Version 3:* AZR65170-3.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 5–6 weeks (150–184 hours). *Version 2:* 4–5 weeks (120–150 hours). *Version 3:* 5 weeks (150 hours).

Exhibit Dates: *Version 1:* 3/71–12/73. *Version 2:* 7/68–2/71. *Version 3:* 3/66–6/68.

Objectives: To provide procurement personnel with advanced training in the principles and practices of government contracting and contract administration.

Instruction: Lectures on principles of government contracting, basis for administration, contract administration procedures, contract cost principles and procedures, and tools of administration.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of contracting (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in principles of contracting(12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in principles of contracting (12/68).

AF-1408-0034

PROCUREMENT SUPERVISOR

Course Number: 3AAR65170-1; AAR65170.

Location: School of Applied Aerospace Science, Lowry AFB, CO; 3415th Technical School, Amarillo AFB, TX; 3320th Technical School, Amarillo AFB, TX.

Length: 6–7 weeks (180–206 hours).

Exhibit Dates: 2/62–12/73.

Objectives: To train first-line supervisors and technicians to conduct and supervise procurement operations.

Instruction: Practical experience in contract administration, advertising, personnel planning and scheduling, and technical procurement performance.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in procurement policies (12/68).

AF-1408-0035

WORK CONTROL SPECIALIST

Course Number: ALR55630.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 5 weeks (150 hours).

Exhibit Dates: 8/65–12/68.

Objectives: To train enlisted personnel to perform as work control specialists.

Instruction: Lectures and practical exercises in supervision and management of work control centers; planning and scheduling procedures; publications and forms; preventive maintenance; service calls; and planning of annual maintenance and repair programs.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1408-0037

CONTRACT MANAGEMENT

Course Number: 3OZR653l-2.

Location: Technical Training Center, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 6/69–12/73.

Objectives: To provide defense personnel with knowledge and understanding of the principles of defense contract management.

Instruction: Lectures on contract administration, development engineering, quality assurance, property administration, and production and pricing

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in contract management (2/74).

AF-1408-0038

FINANCIAL MANAGEMENT SUPERVISOR BY CORRESPONDENCE

Course Number: 67273.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks

Exhibit Dates: 6/84–Present

Objectives: Provides an overview of the financial management function with emphasis on the determination of compensation levels, and the establishment and monitoring of control systems.

Instruction: This course prepares the student to oversee and administer accounting and budget systems in the areas of material control, accounts control, distribution of compensation (including automated pay systems), and supplemental compensation systems such as insurance pensions.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in financial accounting, 3 hours in managerial accounting (10/85).

Related Occupation Codes: 85/10.

AF-1408-0039

ADVANCED CONTRACT ADMINISTRATION

Course Number: 178.

Location: School of Systems and Logistics, Wright-Patterson AFB, OH.

Length: 2–3 weeks (60–128 hours).

Exhibit Dates: 1/69–6/74.

Objectives: To provide procurement management personnel with advanced training in defense contract administration.

Instruction: Lectures and seminars in advanced defense contract administration, including contractor technical and financial capability review and analysis, contractor performance evaluation, data management, accounting systems, performance, and progress management tools, and basic managerial principles and techniques.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in contract management (12/68).

AF-1408-0040

BASIC ORIENTATION COURSE FOR OFFICERS OF THE MEDICAL SERVICE

Course Number: OBM0104.

Location: Medical Service School, Gunter AFB, AL; School of Aviation Medicine, Gunter AFB, AL.

Length: 3–4 weeks (110–175 hours).

Exhibit Dates: 9/55–12/68.

Objectives: To train newly commissioned officers to serve as personnel administrators in Air Force medical facilities.

Instruction: Lectures and practical exercises in medical and personnel administration; nursing services; organization of USAF medical services; disaster, nuclear, preventive, and occupational medicine; and dental services.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in medical administration (12/68).

AF-1408-0042

CONTRACT LAW

Course Number: 3AZR65170-5.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3 weeks (90 hours).

Exhibit Dates: 7/69–12/73.

Objectives: To provide procurement personnel with advanced training in legal principles related to government contracts.

Instruction: Lectures on contract law; labor law; law of agencies; governmental procurement, methods and procedures; disputes and remedies; and terminations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in business law/contracts (2/74).

AF-1408-0043

MEDICAL ADMINISTRATIVE SUPERVISOR

Course Number: *Version 1:* 3AAR90670-1. *Version 2:* AAR90670-1. *Version 3:* AAR90670. *Version 4:* AA90670.

Location: *Version 1:* Technical Training Center, Sheppard AFB, TX. *Version 2:* Medical Service School, Sheppard AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL. *Version 4:* School of Aviation Medicine, Gunter AFB, AL.

Length: *Version 1:* 6 weeks (180 hours). *Version 2:* 6 weeks (180 hours). *Version 3:* 8 weeks (287–289 hours). *Version 4:* 12 weeks (468 hours).

Exhibit Dates: *Version 1:* 2/71–12/73. *Version 2:* 7/67–1/71. *Version 3:* 1/62–6/67. *Version 4:* 6/55–12/61.

Objectives: To provide airmen with supervisory-level training in medical administration.

Instruction: Lectures on the planning and scheduling of administrative work in medical services activities, supervision of medical administrative personnel, conducting on-the-job training for medical administrative personnel, and the performance of technical, medical administrative functions.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in hospital and/or business administration (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in medical administration (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in medical administration (12/68). *Version 4:* In the upper-division baccalaureate category, 5 semester hours in medical administration (12/68).

AF-1408-0044

WEATHER CHIEF OBSERVER

Course Number: 3AZR25271.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: 6–7 weeks (210–280 hours).

Exhibit Dates: 7/72–12/73.

Objectives: To qualify airmen with prior training to perform as weather chief observers.

Instruction: Lectures and practical exercises in weather observation and station administration, including management of observation functions, weather radar scope camera, radar observation, supervision of weather equipment and communications functions, and driver training.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in management (5/74).

BEST COPY AVAILABLE

AF-1408-0048

COMMUNICATIONS-ELECTRONICS STAFF OFFICER
(Communications-Electronics Officer)

Course Number: OAR3011; OA3011.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 25–34 weeks (870–1292 hours).
Exhibit Dates: 1/56–12/68.
Objectives: To train officers to operate and monitor communications-electronics programs and to formulate policies and procedures.
Instruction: Lectures and seminars in radioelectronics, staff management, wire and multiplexing systems, automatic data systems, supply and maintenance techniques, tactical and electronic warfare equipment, air defense systems, management principles, leadership, logistics management, communications techniques, and human relations.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in management principles, 3 in radio engineering (12/68).

AF-1408-0049

AIRCRAFT/AVIONICS MAINTENANCE STAFF OFFICER
(Avionics Staff Officer)

Course Number: 3OAR4000; 3OAR3211.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 5–7 weeks (168–210 hours).
Exhibit Dates: 2/70–12/73.
Objectives: To train commissioned officers to supervise aircraft and avionics maintenance units and armament control and support units.
Instruction: Lectures and practical exercises in management principles, effective communication, logistics, resource management, systems development, and management informational systems.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in principles of management (6/74).

AF-1408-0051

CONTRACT MANAGEMENT OFFICER

Course Number: 3OBR6531-4.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 6–9 weeks (180–270 hours).
Exhibit Dates: 4/70–12/73.
Objectives: To train officers to perform as contract managers.
Instruction: Lectures and practical exercises in contract management. Course includes fundamentals of procurement and production, contract administrative responsibilities, development engineering, quality assurance procedures, production planning, evaluation of work statements, contractor's proposals in support of system procurement, and industrial preparedness planning.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in contract management or purchasing (6/74).

AF-1408-0052

CONTRACT MANAGEMENT OFFICER

Course Number: 3OZR6531-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 3 weeks (90 hours).
Exhibit Dates: 7/70–12/73.
Objectives: To train personnel to serve as contract managers.
Instruction: Lectures and practical exercises in contract management. Course includes introduction to contract management, plant office contract management mission and organization, contract administration, development engineering, quality assurance administration, production and property administration, systems procurement support and negotiation, contract control system, and measurement and test critique.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in contract management (6/74).

AF-1408-0053

GENERAL ACCOUNTING SPECIALIST BY CORRESPONDENCE
(Financial Management Specialist by Correspondence)

Course Number: 67251.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/83–Present.
Objectives: To train the student to complete basic, standardized accounting statements and reports, and to understand the basis of an accounting control system.
Instruction: This course prepares the student to complete and interpret accounting statements and reports in the areas of material control and accounts control, and to manipulate such statements and reports so as to interface with automated accounting systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 5 semester hours in general accounting or introductory accounting (10/85).

AF-1408-0057

PROCUREMENT AND PRODUCTION OFFICER FUNDAMENTALS

Course Number: 3OQR6500.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 6 weeks (180 hours).
Exhibit Dates: 6/69–12/73.
Objectives: To train enlisted personnel in procurement and production policies and procedures.
Instruction: Lectures and practical exercises in procurement and production policies and procedures. Topics include statutes and regulations governing; procurement; funding cycle; processing purchase requests; evaluation; procurement and production authorities and delegation; organization of a procurement function; formal advertising and negotiation; procurement ethics; types and kinds of contracts; contract award; products and services inspection; acceptance and payment; and production management.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in procurement management and methods (8/74).

AF-1408-0058

LABORATORY MANAGEMENT OF RESEARCH AND DEVELOPMENT

Course Number: 475.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 3–7 weeks (90–210 hours).
Exhibit Dates: 7/69–6/74.
Objectives: To train enlisted personnel to manage research and development activities.
Instruction: Lectures and practical exercises in the management of research and development activities. Course includes instruction in the planning, programming, budgeting, controlling, evaluating, and procurement aspects of research and development.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in general management (8/74).

AF-1408-0059

PRODUCTION MANAGEMENT

Course Number: 269.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 7 weeks (232 hours).
Exhibit Dates: 4/70–6/74.
Objectives: To train enlisted personnel to manage production-procurement functions.
Instruction: Lectures and practical exercises in the management of production-procurement functions. Course includes an introduction to management principles, contracting, break-even analysis, value engineering, automatic data processing, economic order quantity and inventory control, program evaluation review techniques, and labor relations.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in production managemenent (8/74).

AF-1408-0060

SYSTEM PROGRAM MANAGEMENT

Course Number: 570.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 7–11 weeks (198–308 hours).
Exhibit Dates: 1/69–6/74.
Objectives: To train enlisted personnel in systems program management.
Instruction: Lectures and practical exercises in systems program management. Course includes an overview of the climate and environment for systems acquisition; policies, procedures and functional interrelationship governing their procedures; and role and responsibilities of using and participating commands and agencies supporting the program office.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in systems management (8/74).

AF-1408-0061

BUDGET OFFICER

Course Number: *All Versions:* 3OBR6731. *Version 2:* OAR6731; OA6731.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 10 weeks (300 hours) *Version 2:* 10–11 weeks (300–330 hours).
Exhibit Dates: *Version 1:* 10/68–12/73. *Version 2:* 12/55–9/68.
Objectives: To train personnel as budget officers.
Instruction: *All Versions:* Lectures and practical exercises in the duties of budget officers, including introduction to Air Force budgeting, and budget formulation. *Version 1:* Topics include Air Force financial planning systems; developing estimates of requirements; preparation of the budget for operations; Air Force financial management; development of financial plans; and administration. *Version 2:* Topics include preparation of wing/base budgets.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in budgeting and financial

BEST COPY AVAILABLE

management (8/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in finance and budget planning (12/68).

AF-1408-0062

FINANCE SUPERVISOR

Course Number: SS67170-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 7/58–12/68.
Objectives: To train airmen and civilian personnel in the operation of Air Force finance activities.
Instruction: Lectures and practical exercises on Air Force finance activities, including introduction, finance procedures, military pay and allowances, travel allowances, commercial accounts, and disbursements and collections.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in finance and disbursing (12/68).

AF-1408-0063

MANAGEMENT ANALYSIS OFFICER

Course Number: *Version 1:* 3OBR6921. *Version 2:* 3OBR6921; OBR6891. *Version 3:* OA6891. *Version 4:* OAR6891; OA6891; OA6741. *Version 5:* OAR6891; OA6891; OA6741.
Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3750th Technical School, Sheppard AFB, TX. *Version 5:* 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 9 weeks (270 hours). *Version 2:* 10 weeks (300 hours). *Version 3:* 6 weeks (180 hours). *Version 4:* 10–11 weeks (300–330 hours). *Version 5:* 10–11 weeks (300–330 hours).
Exhibit Dates: *Version 1:* 7/70–12/73. *Version 2:* 1/67–6/70. *Version 3:* 7/64–12/66. *Version 4:* 4/54–6/64. *Version 5:* 4/54–6/64.
Objectives: To train officers as management analysis officers.
Instruction: *All Versions:* Lectures and practical exercises in applied management analysis. *Version 1:* Topics include introduction to analysis, descriptive statistics, inferential statistics, performance evaluation, forecasting techniques, trend analysis, program analysis, and financial analysis. *Version 2:* Topics include preparation for analysis, introduction to data automation, and analytical techniques of management science. *Version 3:* Topics include preparation for analysis, introduction to data automation, and analytical techniques and management science. *Version 4:* Topics include preparation for analysis, source data and analytical processes, and managerial accounting. *Version 5:* Topics include preparation for analysis, source data and analytical processes, and managerial accounting.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in principles of management (8/74). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in applied management analysis, 4 in management control systems (12/68). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication, 2 in managerial statistics, 3 in management control systems (12/68). *Version 4:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication, 5 in financial analysis, 3 in applied management analysis (12/68). *Version 5:* In the upper-division baccalaureate category, 1 semester hour in oral and written communication, 5 in financial analysis, 3 in applied management analysis (12/68).

AF-1408-0064

SPECIAL SERVICES OFFICER

Course Number: 3OBR7341.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 4 weeks (138 hours).
Exhibit Dates: 6/73–12/73.
Objectives: To train officers to perform functions of special services officers.
Instruction: Lectures and practical exercises in the functions and duties of special service officers. Course includes management of special services activities, budgeting, control of funds, and training methods.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in principles of management (8/74).

AF-1408-0065

FINANCE SUPERVISOR

Course Number: AA67170.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 13 weeks (390 hours).
Exhibit Dates: 2/55–12/68.
Objectives: To train personnel as finance supervisors.
Instruction: Lectures and practical exercises in the duties of finance supervisors, including finance office management, military pay, travel allowances, commercial accounts, accounting for public funds, and finance office administration.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours as an elective in disbursing and finance (12/68).

AF-1408-0067

ADMINISTRATION
MANAGEMENT/EXECUTIVE SUPPORT
(Administration Management and Executive Support Officer)

Course Number: 3OBR7000.
Location: 3380th Technical School, Keesler AFB, MS; School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 7 weeks (210–254 hours).
Exhibit Dates: 1/72–12/73.
Objectives: To train commissioned officers to manage executive support functions.
Instruction: Lectures and practical exercises in the management of executive support functions. Course includes administrative policies and procedures, communications, resources management, personnel management, human relations, and performance rating systems.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in principles of management (8/74).

AF-1408-0068

HEALTH SERVICES ADMINISTRATION—ADVANCED

Course Number: 3OAR9025.
Location: School of Health Care Sciences, Sheppard AFB, TX.
Length: 20 weeks (600 hours).
Exhibit Dates: 1/72–12/73.
Objectives: To train selected career Medical Service Corps officers for administrative/management positions in all areas of health services administration.
Instruction: Lectures and practical exercises in management skills and techniques, economics and statistics, behavioral sciences, and principles of health services and hospital administration.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in health economics, 1 in government, 4 in management principles, 3 in behavioral sciences, 2 in statistics, 10 in hospital administration (6/75).

AF-1408-0069

PROCUREMENT SPECIALIST

Course Number: 3ABR65130-1; ABR65130; ALR65130.
Location: 3415th Technical School, Lowry AFB, CO; 3320th Technical School, Amarillo AFB, TX.
Length: 7–8 weeks (210 hours).
Exhibit Dates: 7/61–12/73.
Objectives: To train airmen in the duties of procurement specialists.
Instruction: Lectures and practical exercises in procurement terminology, publications, and organization. Specific topics include: purchase requests; contract negotiation and administration; and bid procedures.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in procurement or purchasing (12/68).

AF-1511-0001

1. AIR COMMAND AND STAFF COLLEGE
2. AIR COMMAND AND STAFF COLLEGE
3. AIR COMMAND AND STAFF COLLEGE
4. COMMAND AND STAFF COLLEGE (Command and Staff School)
5. COMMAND AND STAFF COURSE

Course Number: None.
Location: Air University, Maxwell AFB, AL.
Length: *Version 1:* 40 weeks (746–898 hours) *Version 2:* 40 weeks (1600 hours). *Version 3:* 39–40 weeks (1579–1860 hours). *Version 4:* 38–39 weeks. *Version 5:* 43 weeks (1280 hours).
Exhibit Dates: *Version 1:* 1/79–Present. *Version 2:* 8/70–12/78. *Version 3:* 8/62–7/70. *Version 4:* 8/55–7/62. *Version 5:* 7/54–7/55.
Objectives: To train officers in the factors affecting national behavior and policy formation, in military management processes, and in military subjects, including employment of aerospace power.
Instruction: *Version 1:* Lectures, seminars, readings, experiential exercises and student research in national security studies, strategic theory, the history and theory of various kinds of war, international and regional studies, and management including organizational behavior, leadership, communication, human resource management and management systems. *Version 2:* Lectures, seminars, readings, and student research in the factors affecting national behavior and policy formation, in military management processes, and in military subjects including the employment of aerospace power. *Version 3:* Lectures, seminars, readings, and student research in the factors affecting national behavior and policy formation, in military management processes, and in military subjects including the employment of aerospace power. *Version 4:* Lectures, seminars, reading, and student research in the factors affecting national behavior and policy formation, in military management processes, and in military subjects including the employment of aerospace power. *Version 5:* Lectures, seminars, reading, and student re-

BEST COPY AVAILABLE

search in factors affecting national behavior and policyformation, in military management processes, and in military subjects, subjects including the employment of aerospace power.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 15 semester hours in international relations,nationalsecurity studies, political science and economics, 12 in management including management systems, leadership, communication, and human resource management, 3 in research methods (3/83); in the graduate degree category, 9 semester hours in international relations and national security studies, 6 in management systems, leadership, communication, and human resource management, 3 in organizational behavior (3/83). *Version 2:* In the upper-division baccalaureate category, 30 semester hours (to be apportioned by the receiving institution) in the areas of international relations, political science, economics, management and research (8/74); in the graduate degree category, 3 semester hours in international relations, 3 in management, 0–6 in research, 3 in international relations electives, 3 in management electives. NOTE: Credit granted for thesis should be contingent on the graduate school's evaluation of the research paper. *Version 3:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in political science, 3 in international relations, and credit in written and oral communication on the basis of institutional evaluation (8/74); in the graduate degree category, 0–6 semester hours in public administration or in the field of thesis (8/74). NOTE: Credit granted for thesis should be contingent on the graduate school's evaluation of the research paper. *Version 4:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in political science, 3 in international relations, and credit in written and oral communication on the basis of institutional evaluation (12/68). *Version 5:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 3 in political science and international relations (12/68).

AF-1511-0002

AIR COMMAND AND STAFF NONRESIDENT SEMINAR PROGRAM
(Air Command and Staff Associate Program)

Course Number: None.

Location: Air Command and Staff College, Maxwell AFB, AL.

Length: *Version 1:* Maximum of 116 weeks, average 52 weeks. *Version 2:* 104 weeks.

Exhibit Dates: *Version 1:* 1/79–Present. *Version 2:* 8/70–12/78.

Objectives: To teach officers national and international factors influencing U.S. security policy and free world stability, and the factors influencing the development and use of military forces in the support of national security policy.

Instruction: *Version 1:* Seminars and readings in international relations including principles and patterns of interstate relations, regional studies, and military history; national security studies; communication; and public administration including leadership, supervision, personnel and labor relations, financial management, resource management, the budgetary process and decision-making techniques. *Version 2:* Seminars, readings and student research in national and international factors influencing U.S. security policy and free world stability, and in the factors influencing the development and use of military forces in the support of national security policy.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 9 semester hours in international relations, 6 in public administration, 3 in communication, 6 in national security studies (3/83); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 4 in international relations, 2 in introduction to public administration (3/83). It is suggested that an institution delay awarding credit until the student has successfully completed one semester of graduate work. *Version 2:* In the upper-division baccalaureate category, 24 semester hours in the areas of social science and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 4 semester hours in international relations, 2 in personnel management (8/74). It is suggested that an institution delay awarding credit until the student has successfully completed one semester of graduate work. This course is offered at various locations under the administration of the Air University, Maxwell AFB. Distribution of course materials and the transcript service are handled by the Extension Course Institute (ECI).

AF-1511-0003

AIR COMMAND AND STAFF CORRESPONDENCE PROGRAM
(Air Command and Staff Associate Correspondence Program)

Course Number: None.

Location: Air Command and Staff College, Maxwell AFB, AL.

Length: 104 weeks maximum.

Exhibit Dates: *Version 1:* 1/79–Present. *Version 2:* 8/70–12/78.

Objectives: To teach officers the factors affecting the national behavior and policy formation, military management processes, and military subjects, including employment of aerospace power.

Instruction: *Version 1:* Readings in international relations including principles and patterns of interstate relations, regional studies, and military history; national security studies; communication; and public administration including leadership, supervision, personnel and labor relations, financial management, resource management, the budgetary process, and decision-making techniques. *Version 2:* Individualized readings and student research in factors affecting national behavior and policy formation, in military management processes, and in military subjects including employment of aerospace power. The correspondence program is based on but not identical to the resident course (AF-1511-0001) and is divided into four course blocks: Military Environment, Command and Management, and Military Employment, Part I and Part II.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in international relations, 4 in public administration, 2 in communications, 3 in national security studies (3/83). *Version 2:* In the upper-division baccalaureate category, 15 semester hours in social sciences and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Satisfactory, 3 semester hours in international relations (8/74). NOTE: It is suggested that an institution delay awarding graduate credit until the student has successfully completed one semester of graduate work. This course is offered at various locations under the administration of the Air University, Maxwell Air Force Base. Distribution of course materials and the transcript service is handled by the Extension Course Institute (ECI).

AF-1511-0004

AIR WAR COLLEGE NONRESIDENT SEMINAR PROGRAM
(Associate Air War College Nonresident Seminar Program)

Course Number: None.

Location: Air War College, Maxwell AFB, AL.

Length: 104 weeks maximum.

Exhibit Dates: *Version 1:* 1/79–Present. *Version 1:* 8/70–12/79.

Objectives: To train officers in the principles of military strategy and national security policy for development and employment of aerospace power.

Instruction: *Version 1:* Seminars, reading, and student research in principles of military strategy and national security policy for development and employment of aerospace and power, including nature of national power and its application in nation-state systems; changing nature of U.S. society and its interrelationship with national security; regional studies with an assessment of the impact of regional development in U.S. foreign and national security policy; determinants of U.S. national security policy; formulation and implementation of the policies; allocation and management of defense resources, military and personnel management and decision-making; impact of science and technology on weapon systems, military concepts, doctrine, and strategy; causes, nature, and purposes of armed conflict; U.S. military concepts and strategy, and processes by which they are formulated and implemented; role of deterrence, arms control, and other strategies for achieving and maintaining international order and stability; development and evaluation of aerospace concepts for national security; and evaluation of present and potential strategies, capabilities, and vulnerabilities of the U.S., its allies, and potentially hostile countries. *Version 2:* Seminars, readings, and student research in principles of military strategy and national security policy for development and employment of aerospace power, including nature of national power and its application in the nation-state system; changing nature of U.S. society and its interrelationship with national security; current and potential threats to U.S. security; determinants of U.S. national security policy; formulation and implementation of the policies; allocation and management of defense resources; military management and decision-making; impact of science and technology on weapon systems, military concepts, doctrine, and strategy; causes, nature, and purposes of armed conflict; U.S. military concepts and strategy, and processes by which they are formulated and implemented; role of deterrence, arms control, and other strategies for achieving and maintaining international order and stability; development and evaluation of aerospace concepts for national security; and evaluation of present and potential strategies, capabilities, and vulnerabilities of the U.S., its allies, and potentially hostile countries.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 24 semester hours in the areas of political science, international relations, and public ad-

ministration (3/83); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 0-6 semester hours in international relations may be granted, however it is suggested that an institution delay awarding graduate credit until the student has successfully completed one semester of graduate work. This course is offered at many locations under the administration of Maxwell AFB.(3/83). *Version 2:* In the upper-division baccalaureate category, 24 semester hours in the areas of political science, international relations and government, and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 4 semester hours in international relations, 2 in personnel management (8/74). NOTE: It is suggested that an institution delay awarding graduate credit until the student has succesafully completed one semester of graduate work. This course is offered at various locations under the administration of Air War College, Maxwell Air Force Base. Distribution of course materials and the transcript service are handled by the Extension Course Institute (ECI).

AF-1511-0005

AIR WAR COLLEGE CORRESPONDENCE PROGRAM
(Air War College Associate Correspondence Program)

Course Number: None.

Location: Air War College, Maxwell AFB, AL.

Length: Average 52 weeks with 104 weeks maximum.

Exhibit Dates: *Version 1:* 1/79–Present. *Version 2:* 8/70–12/78.

Objectives: To train senior officers in principles of military strategy and national security policy for development and employment of aerospace power.

Instruction: *Version 1:* Individualized reading and student research in principles of military strategy for national security policy for development and employment of aerospace power, including nature of national power and its applications in the nation-state system; changing nature of U.S. society and its interrelatonships with national security, current and potential threats to U.S. security; regional studies with an assessment of the impact of regional developments in U.S. foreign and national security policy, determinants of U.S. national security policy, formulaton and implemenatition of the policies; allocation and managment of defense resources; military and personnel management and decision-making; impact of science and technology on weapon systems, military concepts, doctrines and strategy; causes, nature, and purposes of armed conflict; U.S. military concepts and strategies, and processes by which they are formulated and implemented; role of deterrence, arms control, and other stragegies for acheiving and maintaining international order and stability; development and evaluation of aerospace concepts for national security; and evaluation of present and potential strategies, capabilities, and vulnerabilities of the U.S., its allies, and potentially hostile countries. *Version 2:* Seminars and individualized readings and student research in principles of military strategy for national security policy for development and employment of aerospace power, including nature of national power and its application in the nation-state systems; changing nature of U.S. society and its interrelationships with national security; current and potential threats to U.S. security; determinants of U.S. national security policy, formulation and implementation of the policies; allocation and management of defense resources; military management and decision-making; impact of science and technology on weapon systems, military concepts, doctrine, and strategy; causes, nature, and purposes of armed conflict; U.S. military concepts and strategies, and processes by which they are formulated and implemented; role of deterrence, arms control, and other strategies for achieving and maintaining international order and stability; development and evaluation of aerospace concepts for national security; and evaluation of present and potential strategies, capabilities, and vulnerabilities of the U.S., its allies, and potentially hostile countries.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 24 semester hours in the aread of political science, international relations, and public administration (3/83); in the graduate degree category, 0–6 hours in international relations may be granted to those students who have completed the program with a rating of Outstanding or Excellent. However, it is suggested that an institution delay awarding graduate credit until the students has successfully completed one semester of graduate work. The course is administered by Maxwell Air Force Base through the Extension Course Institute (3/83). *Version 2:* In the upper-division baccalaureate category, 24 semester hours in the areas of political science, international relations and government, and personnel management (8/74); in the graduate degree category, for students who have completed the program with a rating of Outstanding or Excellent, 4 semester hours in international relations, 2 in personnel management (8/74). NOTE: It is suggested that an institution delay awarding graduate credit until the student has successfully completed one semester of graduate work. This course is offered at various locations under the administration of Air War College, Maxwell Air Force Base. Distribution of course materials and the transcript service is handled by the Extension Course Institute (ECI).

AF-1511-0006

1. AIR WAR COLLEGE
2. AIR WAR COLLEGE
3. AIR WAR COLLEGE
4. AIR WAR COLLEGE
5. AIR WAR COLLEGE
(War College)

Course Number: None.

Location: Air University, Maxwell AFB, AL.

Length: *Version 1:* 40 weeks (1600 hours). *Version 2:* 40 weeks (1600 hours). *Version 3:* 43 weeks (1076–1600 hours). *Version 4:* 43 weeks (1586–1608 hours). *Version 5:* 43 weeks (1575–1618 hours).

Exhibit Dates: *Version 1:* 1/79–Present. *Version 2:* 8/70–12/78. *Version 3:* 8/66–7/70. *Version 4:* 8/63–7/66. *Version 5:* 7/54–7/63.

Objectives: To train senior officers in military strategy in support of national security policy for the development and employment of aerospace power.

Instruction: *Version 1:* Seminars, individualized readings, experiential exercises and student research in principles of military strategy and national security policy for development and employment of aerospace power, including nature of national power and its application in nation-state system; current and potential threats to U.S.security; historical evolution of strategic theory and national security; regional studies with an assessment of the impact of regional developments in U.S. foreign and national policy; determinants of U.S. national security policy; formulation and implementation of the policies; allocation and management of defense resources; military personnel management and decision-making; impact of science and technology on weapon systems, military concepts, doctrine and strategy; causes, nature and purposes of armed conflict; U.S. military concepts and strategy, and processes by which they are formulated and implemented; role of deterrence, arms control, and other strategies for acheiving and maintaining international order and stability; development and evaluatin of aerospace concepts for national security; and evaluation of present and potential strategies, capabilities, and vulnerabilities of the U.S., its allies, and potentially hostile countries. *Version 2:* Lectures, readings, and student research and discussion in military strategy in support of national security policy for the development and employment of aerospace power. *Version 3:* Lectures, readings, and student research and discussion in military strategy ic support of national security policy for the development and employment of aerospace power. *Version 4:* Lectures, readings, and student research and discussion in military strategy in support of national security policy for the development and employment of aerospace power. *Version 5:* Lectures, readings, and student research and discussion in military strategy in support of national security policy for the development and employment of aerospace power.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 32 semester hours in international relations, political science, national security studies, public management and research (3/83); in the graduate degree category, 12 semester hours in international relations and national security studies, 4 in management with emphasis on the public sector, credit in research based on the receiving institution's review of significant research paper and, in addition, up to 3 semester hours for completion of the electives based on the receiving institution's review of the course (3/83). *Version 2:* In the upper-division baccalaureate category, 30 semester hours (to be distributed by the receiving institution) in the areas of international relations, political science, economics, management, and research (8/74); in the graduate degree category, 6 semester hours in international relations, 6 in management, 0–6 in research training; additionally, 3 semester hours of graduate credit may be granted for completion of any two of the following elective courses: History of Military Thought, The Soviet Union, Communist China, Politics and Government of Emerging Nations, Economics of National Defense, Human Relations in Administration, and Quantitative Analysis (8/74). NOTE: Credit recommendation is based on an on-site evaluation. Credit granted for research papers should be contingent upon the graduate school's evaluation of the thesis. Recommendations are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 3:* In the upper-division baccalaureate category, 6 semester hours in political science (including international relations), 9 in business organization and management (planning and leadership),

BEST COPY AVAILABLE

3 in social science survey, and credit in oral and written communications on the basis of institutional evaluation (8/74); in the graduate degree category, 6 semester hours in a one-year M.A. program in the field of international relations or in the field of thesis research (8/74). NOTE: Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper for an indication of the extent and depth of the student's reading, seminar, and research work during the course of instruction. *Version 4:* In the upper-division baccalaureate category, 6 semester hours in social science survey, 6 in political science (including international relations), 3 in recent history, 3 in economics, 3 in business organization and management (planning and leadership), and credit in oral and written communication on the basis of institutional evaluation (12/68). *Version 5:* In the upper-division baccalaureate category, 6 semester hours in social science survey, 6 in political science (including international relations), 3 in recent history, 3 in economics, 3 in business organization and management (planning and leadership) (12/68).

AF-1512-0002

MILITARY TRAINING INSTRUCTOR

Course Number: *Version 1:* 3AIR99128. *Version 2:* 3AIR99128. *Version 3:* AIR99128.

Location: *Version 1:* School of Military Sciences, Airman, Lackland AFB, TX. *Version 2:* 3720th Base Military School, Lackland AFB, TX. *Version 3:* 3275th Technical School, Lackland AFB, TX.

Length: *Version 1:* 9 weeks (320 hours). *Version 2:* 4–9 weeks (200–320 hours). *Version 3:* 5 weeks (138 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 12/67–6/73. *Version 3:* 2/62–11/67.

Objectives: To train selected enlisted personnel to perform as military training instructors with minimum on-the-job training.

Instruction: *All Versions:* Lectures and practical exercises in the principles, methods, and techniques of instruction; identification of trainee emotional, mental and drug problems; evaluation procedures; and drill and ceremonies. *Version 1:* Topics include counseling techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in educational psychology and 3 in instructional methods (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (7/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-1512-0003

DRUG EDUCATION AND COUNSELING

Course Number: 3OZR0008.

Location: Lackland Technical Training Center, Lackland AFB, TX.

Length: 4 weeks (160 hours).

Exhibit Dates: 6/72–12/73.

Objectives: To train selected officers and enlisted personnel to perform drug education and counseling duties at military installations.

Instruction: Lectures and practical exercises in drug education and counseling duties. Topics include history and scope of the drug problem; pharmacological, psychological, cultural, and legal aspects of drug useage; approaches to counseling and treatment; military policies and directives; program and community resources and constructive alternatives; educational and rehabilitative program models; local program development; communication techniques; program and resource evaluation; and follow-up training.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in psychology or group dynamics, 2 in introduction to drug and alcohol abuse, and 3 in drug abuse program development and evaluation (8/74).

AF-1513-0001

HUMAN RELATIONS ADVISOR

Course Number: 2OSR0009.

Location: Lackland Technical Training Center, Lackland AFB, TX.

Length: 2 weeks (60 hours).

Exhibit Dates: 5/72–12/73.

Objectives: To train officers and airmen as human relations advisors.

Instruction: Lectures and practical exercises in the duties of installation human relations advisors, including design, development, conduct, and evaluation of human relations program; cultural imprint awareness; cross-cultural differences and difficulties; psychology of prejudice; sociology of ethnic groups; educational models; counseling and arbitration; and the dynamics of group processes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cultural sociology (7/74).

AF-1601-0001

PRODUCTION CONTROL

Course Number: ALR45130; AL45130; AL80270.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12–14 weeks (360–420 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train personnel in the production control functions of aircraft maintenance, motor vehicle maintenance, ground equipment maintenance, installations engineering maintenance, and depot maintenance.

Instruction: Discussions and practical exercises in production control theory, functions, and mathematics; estimating theory and techniques; maintenance production analysis; and scheduling theory and techniques.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68).

AF-1601-0006

1. LIQUID FUEL SYSTEMS MAINTENANCE SPECIALIST (CONVENTIONAL FUEL)
2. LIQUID FUEL SYSTEMS MAINTENANCE SPECIALIST (CONVENTIONAL FUEL)
3. PETROLEUM SYSTEMS MAINTENANCE SPECIALIST

Course Number: *Version 1:* 3ABR54630-1; 3ABR54630. *Version 2:* ABR54630; ABR54630W; ABR56830A. *Version 3:* AB56830.

Location: *Version 1:* School for Applied Aerospace Sciences, Chanute AFB, IL; *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3320th Technical School, Amarillo AFB, TX. *Version 3:* 3320th Technical School, Amarillo AFB, TX.

Length: *Version 1:* 7–9 weeks (216–240 hours). *Version 2:* 7–8 weeks (180 hours). *Version 3:* 10 weeks (240 hours).

Exhibit Dates: *Version 1:* 10/69–12/73. *Version 2:* 10/60–9/69. *Version 3:* 6/58–9/60.

Objectives: To teach fundamentals of hydraulics.

Instruction: Lectures and practical exercises in fundamentals of basic hydraulics and electricity, fabrication of piping and tubing assemblies, repair and maintenance of hydraulic component parts, and industrial safety in handling high-pressure liquids.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in applied hydraulics, mechanical systems, and/or fluid power, 1 in industrial safety (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in applied hydraulics, mechanical systems, and/or fluid power, 1 in industrial safety (7/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in applied hydraulics, mechanical systems, and/or fluid power, 1 in industrial safety (7/74).

AF-1601-0022

APPLIED ENGINEERING

Course Number: None.

Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.

Length: 9 weeks (296 hours).

Exhibit Dates: 6/72–6/74.

Objectives: To train architects and engineers to apply current mechanical and electrical engineering technology to Real Property facilities.

Instruction: Lectures and practical exercises in the application of current mechanical and electrical engineering technology, including psychrometrics, air conditioning load calculations, piping and duct design, mechanical equipment selection and application, system controls, wiring and lighting design, power factor correction, corrosion technology, and integrated design planning and execution.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in applied mechanical, electrical, and corrosion engineering (6/74).

AF-1601-0023

INDUSTRIAL ENGINEERING TECHNIQUES

Course Number: None.

Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.

Length: 5 weeks (200 hours).

Exhibit Dates: 5/73–6/74.

Objectives: To train personnel in industrial engineering technology.

Instruction: Lectures and practical exercises in industrial engineering technology, including mathematics, fundamentals of statistics, work design, work measurement, plant layout, engineering economy, network planning, and other topics of current interest.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in algebra, 2 in statistics, and 1 in industrial engineering (6/74); in the upper-division baccalaureate category, 1 semester hour in statistics, 1 in industrial engineering (6/74).

AF-1601-0024

CARTOGRAPHIC OFFICER

Course Number: 5OBO5724.

Location: Aeronautical Chart and Information Center, St. Louis, MO.

Length: 26 weeks (1040 hours).

Exhibit Dates: 3/70–6/85.

Objectives: To train officers as cartographic officers.

BEST COPY AVAILABLE

Instruction: Lectures and practical exercises in duties of cartographic officers, including geodesy, surveying, referencing systems, geodetic evaluation, compilation research, compilation techniques optics, photometrics, photographic-cartographic interpretation, radial triangulation, photographic rectification, mosaics, photogrammetric instrumentation, celestial mechanics, computer applications, analytic photogrammetry, and methods of map and chart design and construction.

Credit Recommendation: In the upper-division baccalaureate category, 22 semester hours in cartography (7/74).

AF-1601-0025

BUILDING SYSTEMS ENGINEERING

Course Number: None.

Location: Civil Engineering School, Wright-Patterson AFB, OH.

Length: 3 weeks (120 hours).

Exhibit Dates: 4/73–6/74.

Objectives: To train engineers to apply current technology and techniques to the design, construction, and maintenance of building components.

Instruction: Lectures and practical exercises in the application of current technology to the design, construction, and maintenance of building components, including life-cycle evaluation, economic analysis, material-component selection and replacement, and the roof, protective coating, thermal and vapor barrier, sealant, acoustical, and fire protection subsystems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in civil engineering and building construction (7/74); in the upper-division baccalaureate category, 3 semester hours in civil engineering and building construction (7/74).

AF-1601-0026

PHOTOMAPPING

Course Number: None.

Location: Aeronautical Chart and Information Center, St. Louis, MO.

Length: 10 weeks (332 hours).

Exhibit Dates: 4/56–12/68.

Objectives: To train enlisted personnel to prepare maps and charts using photogrammetry.

Instruction: Lectures and practical exercises in the preparation of maps and charts, including introductory cartography, vertical and trimetrogon photogrammetry, and reproduction procedures.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in mapping and drafting (12/68).

AF-1601-0032

1. LIQUID FUEL SYSTEMS MAINTENANCE SPECIALIST (HGM-25)
2. LIQUID FUEL SYSTEMS MAINTENANCE SPECIALIST (SM-68A)

Course Number: *All Versions:* ABR54630E.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 16 weeks (450 hours). *Version 2:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 12/63–12/68. *Version 2:* 6/62–11/63.

Objectives: To train personnel as liquid fuel systems maintenance specialists for specific systems.

Instruction: *All Versions:* Lectures and practical exercises on duties of liquid fuel system maintenance specialists on specific weapon systems, including operation and maintenance of propellant transfer systems. *Version 1:* Topics include fundamentals, components, component cleaning and testing, component test stands, and operation and maintenance of aerospace ground equipment. *Version 2:* Topics include systems operation, and propellant system component maintenance.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in applied hydraulics or physical science (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in applied hydraulics or mechanical systems (7/74).

AF-1601-0041

SITE DEVELOPMENT SPECIALIST

Course Number: *Version 1:* 3ABR55330. *Version 2:* 3ABR55330. *Version 3:* ABR55330.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 17 weeks (680 hours). *Version 2:* 18 weeks (540 hours). *Version 3:* 19 weeks (540 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 9/70–6/73. *Version 3:* 10/65–8/70.

Objectives: To train personnel as site development specialists.

Instruction: *All Versions:* Lectures and practical exercises on the performance of site development specialists, including fundamentals of surveying, and construction surveys. *Version 1:* Topics include construction layout and earthwork, soils engineering, pavements and concrete construction, basic drafting, construction drafting, and drafting and construction management. *Version 2:* Topics include construction layout and earthwork, soils engineering, pavements and concrete construction, basic drafting, construction drafting, and drafting and construction management. *Version 3:* Topics include site plans, material estimates, and facility drawings; transit adjustments and readings; traverse computations and direct level circuit; road layout and utilities drainage; inspections; and civil engineering inspection responsibilities and management methods.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in drafting, 3 in surveying, and 3 in construction materials (7/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in construction engineering (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in construction engineering (12/68).

AF-1601-0042

INTELLIGENCE AREA STUDIES (SEA)

Course Number: 3OZR8045-5.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 3–4 weeks (102–120 hours).

Exhibit Dates: 5/68–12/73.

Objectives: To train personnel in intelligence area studies (Southeast Asia).

Instruction: Lectures and practical exercises in intelligence area studies (Southeast Asia), including physical and cultural patterns of the area and in the specific application of multisensor reconnaisance to that environment, geographical and sociological orientation to Southeast Asia, and fundamentals of multisensors, such as panoramic photography, infrared imagery, and side-looking-radar (SLR) imagery.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in engineering (7/74).

AF-1601-0044

BASE CIVIL ENGINEER
(Basic Installations Engineering Officer)

Course Number: None.

Location: Institute of Technology, Wright-Patterson AFB, OH.

Length: 8–9 weeks (233–243 hours).

Exhibit Dates: 1/54–12/68.

Objectives: To train officers in civil engineering management.

Instruction: Lectures and practical exercises in civil engineering management, including functions of the Air Force civil engineer, supervisory management, real estate administration, fiscal budgeting, maintenance management and control, engineering contracts, installations planning and military construction programs, operations and maintenance programming and project methodologies, comprehensive problems, security indoctrination, arctic orientation and construction techniques, and nuclear effects and recovery planning.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in civil engineering management (8/74); in the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68).

AF-1601-0045

LIQUID FUEL SYSTEMS MAINTENANCE SPECIALIST, SM-65 AND SM-68

Course Number: ABR56830B.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 16 weeks (450 hours).

Exhibit Dates: 12/60–12/68.

Objectives: To teach competence in the operation and maintenance of various cryogenic liquid and high pressure gas transfer systems.

Instruction: Lectures and practical exercises in cryogenic liquid and high pressure gas transfer systems; proper procedures to insure safety and efficiency in removing fuels from missiles; and cleaning, degreasing, and servicing propellant transfer systems.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in mechanical systems fluid power (7/74).

AF-1606-0001

NAVAL INTELLIGENCE OFFICER

Course Number: 3OBR8051-3.

Location: Lowry Technical Training Center, Lowry AFB, CO.

Length: 21 weeks (650 hours).

Exhibit Dates: 7/72–12/73.

Objectives: To train selected Navy personnel in all aspects of intelligence operations, including analysis, collection, and reporting of information on foreign governments.

Instruction: Study and practical applications of naval warfare operations and intelligence support; international relations and law; terrain analysis; U.S. treaties and national commitments; national strategic planning; historical development and political-military role of communism.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in political science, 3 in international relations (2/74).

AF-1606-0003

UNDERGRADUATE PILOT TRAINING (T-41, INTERIM)

Course Number: P-V4B-T.

Location: Air Training Command, Columbus AFB, TX; Air Training Command, Craig AFB, TX; Air Training Command, Laredo AFB, TX; Air Training Command, Laughlin AFB, TX; Air Training Command, Moody AFB, TX; Air Training Command, Reese AFB, TX; Air Training Command, Vance AFB, OK; Air Training Command, Webb AFB, TX; Air Training Command, Williams AFB, TX.

Length: 5 weeks (92 hours).

Exhibit Dates: 11/72–Present.

Objectives: To provide officers with basic flight training.

Instruction: Flight training and lectures on airmanship, aerospace physiology, and flight safety.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in flight fundamentals (2/74).

AF-1606-0011

INSTRUMENT PILOT INSTRUCTOR TRAINING (T-38)
(Instrument Pilot Instructor Training (T-39))
(Instrument Pilot Instructor Training (T-38/T-39))

Course Number: F-V5G-A; I104500H; I111501Q.

Location: Air Training Command, Randolph AFB, TX.

Length: 6–8 weeks (76–207 hours).

Exhibit Dates: 8/62–Present.

Objectives: To qualify pilots as instrument instructor pilots.

Instruction: Lectures and practical exercises in instrument instruction procedures in supersonic fighter type jet aircraft, including fundamentals of instruction, flight instruments, navigation aids, computer, weather, and flying and ground training.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in principles and methods of instruction or teacher education, 3 in flight instructor experience (2/74); in the upper-division baccalaureate category, credit in instructional methods on the basis of institutional evaluation (2/74).

AF-1606-0020

SPECIAL OPERATIONS TRAINING, AC-130E PILOTS

Course Number: 104140Z.

Location: 415th Special Operations Training Squadron, Hurlburt Field, FL.

Length: 4 weeks (94 hours).

Exhibit Dates: 1/72–Present.

Objectives: To train pilots in the operation of multi-engine aircraft.

Instruction: Ground egress training and multi-engine flight experience; lectures on electrical systems, hydraulics, landing gear and brakes, flight controls, fuel systems, instrumentation, communication and navigation, performance and mission planning, and flight characteristics and procedures.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in flight experience (2/74).

AF-1606-0021

INTELLIGENCE OPERATIONS TECHNICIAN

Course Number: AA20470.

Location: 3750th Technical Training Wing, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 6/57–5/59.

Objectives: To provide advanced instruction in intelligence and photointerpretation techniques and procedures.

Instruction: Course covers maps, charts, and mosaics; target development; weapons employment planning; foreign air defense capabilities; combat survival; combat mission planning; briefing, debriefing, and reporting. Course also includes fundamentals of air intelligence, photo radar, and target development.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in intelligence methods (11/77).

AF-1606-0022

1. UNDERGRADUATE PILOT TRAINING (T-41/T-37/T-38)
2. UNDERGRADUATE PILOT TRAINING (T-41/T-37/T-38)
   (Undergraduate Pilot Training (T-41/T-37/ T-33))
   (Undergraduate Pilot Training (T-37/T-33))

Course Number: *All Versions:* P-V4A-A. *Version 2:* 111103; 1111038.

Location: Air Training Command, Columbus AFB, MS; Air Training Command, Craig AFB, AL; Air Training Command, Laughlin AFB, TX; Air Training Command, Moody AFB, GA; Air Training Command, Reese AFB, TX; Air Training Command, Vance AFB, OK; Air Training Command, Webb AFB, TX; Air Training Command, Williams AFB, AZ; Air Training Command, Laredo AFB, TX; Air Training Command, Randolph AFB, TX.

Length: *Version 1:* 49 weeks (962–998 hours). *Version 2:* 48–55 weeks (752–1059 hours).

Exhibit Dates: *Version 1:* 6/73–Present. *Version 2:* 1/61–5/73.

Objectives: To qualify non-rated officers as rated jet pilots.

Instruction: Lectures and practical exercises in basic flight maneuvers, instrument flight, navigation, weather, aerodynamics, aerospace physiology, aircraft systems operation, principles of flight, aural and visual code, flying safety, instrument procedures and radio aids, radar and flight planning.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 6 semester hours in commercial pilot, 3 in instrument pilot, 3 in navigation, and 3 in meteorology (6/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 6 semester hours in commercial pilot, 3 in instrument pilot, 3 in navigation, and 3 in meteorology (6/74); in the upper-division baccalaureate category, 3 semester hours in primary meteorology and navigation, and credit in advanced military at institutions which regularly offer such credit (12/68).

AF-1606-0023

C-5 PILOT

Course Number: None.

Location: 443d Military Airlift Wing, Altus AFB, OK.

Length: 4 weeks (127 hours).

Exhibit Dates: 2/72–Present.

Objectives: To train pilots in the operation of the C-5 aircraft.

Instruction: Flight and academic training, including an introduction to the C-5 aircraft and its systems, component parts, and normal and emergency functions.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in flight experience (2/74).

AF-1606-0030

AIRCRAFT OBSERVER TRAINING—PILOT

Course Number: 51-124101-1.

Location: Flying Training Air Force, James Connally AFB, TX.

Length: 24–27 weeks (387–413 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train qualified pilots as navigator/bombardiers.

Instruction: Lectures in dead-reckoning, celestial, grid, and radar navigation techniques; nuclear weapons delivery, bombing procedures, and radar target intelligence; and in-flight training in celestial, grid, and radar navigation and in integrated navigation and bombing.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in navigation (12/68).

AF-1606-0031

AIRCRAFT OBSERVER TECHNICAL UPGRADING

Course Number: 51-152110A-1.

Location: Flying Training Air Force, Mather AFB, CA; Flying Training Air Force, James Connally AFB, TX.

Length: 24–25 weeks (538–567 hours).

Exhibit Dates: 2/55–12/68.

Objectives: To train aircraft observers as aerial navigators.

Instruction: Lectures and flight experience in aircraft navigation techniques, including dead-reckoning, celestial, and grid navigation; equipment malfunction analysis; bombing theory and computations; radar target intelligence; operational procedures involving radar and computer usage; and atomic, biological, and chemical warfare familiarization.

Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in navigation, and credit in electricity on the basis of institutional evaluation (12/68).

AF-1606-0032

FLIGHT ENGINEER SPECIALIST, RECIPROCATING ENGINE AIRCRAFT

Course Number: 3ALR43550C-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 10 weeks (300 hours).

Exhibit Dates: 8/70–12/73.

Objectives: To train enlisted personnel to perform duties as flight engineers.

Instruction: Lectures in theory of flight, aircraft systems, aerodynamics, and duties and responsibilities of flight engineers; and practical experience in flight navigation procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in aerodynamics (12/68).

AF-1606-0033

PRIMARY-BASIC OBSERVER UPGRADING

Course Number: *Version 1:* 51-153123. *Version 2:* 51-153102-1.

BEST COPY AVAILABLE

Location: *Version 1:* Air Training Command, Hamet AFB, CA. *Version 2:* Flying Training Air Force, Ellington AFB, TX.
Length: *Version 1:* 23 weeks (511 hours). *Version 2:* 34 weeks (803–823 hours).
Exhibit Dates: *Version 1:* 1/59–12/68. *Version 2:* 12/54–12/58.
Objectives: To provide aircraft observers with supplemental training in aircraft navigation.
Instruction: Lectures and flight experience in aircraft navigation, including meteorology; navigational theory; dead-reckoning, celestial, and grid navigation; radar systems; electricity and magnetism; and radio operations.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in navigation (12/68). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in navigation, 3 in electricity (12/68)

AF-1606-0034

PRIMARY-BASIC OBSERVER CADET

Course Number: 51-153101-1.
Location: Flying Training Air Force, Ellington AFB, TX; Flying Training Air Force, Harlingen AFB, TX; Flying Training Air Force, James Connally AFB, TX.
Length: 40–42 weeks (857–872 hours).
Exhibit Dates: 4/54–12/68.
Objectives: To train aircraft observer preflight graduates and nonrated officers to perform as navigators.
Instruction: Lectures and training flights in basic aircraft navigation, including electronic equipment utilization; meteorology; celestial, grid, and dead-reckoning navigation; electricity and magnetism; radar systems; and radio operation.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in navigation, 2 in electricity, and additional credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1606-0036

ADVANCED HELICOPTER PILOT TRAINING
(Pilot Advanced Flying (H-3) Basic)
(Pilot Advanced Flying (HH-3E) ARRS)
(Pilot Advanced Flying (H-53) Basic)
(Pilot Advanced Flying (HH-53) ARRS)
Course Number: H3P1; H3P2; 1025E-1; 1025E-2; 1025F-1; 1025F-2.
Location: 1550th Aircrew Training and Test Wing, Hill AFB, UT.
Length: 4–10 weeks (46–124 hours).
Exhibit Dates: 6/72–Present.
Objectives: To provide helicopter pilots with transition and technical training in H-3 and H-53 helicopters.
Instruction: Lectures and practical experience in aerial delivery, air refueling, ballistics, fire suppression, formation flying, gunnery, instruments, navigation, rescue operations, search and orbit, and tactical and transition training.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0037

FLIGHT MECHANIC TRAINING
(Helicopter Mechanic Advanced Flying (HH-3) ARRS)
(Helicopter Mechanic Flying (H-53) Basic)
(Helicopter Mechanic Advanced Flying (HH-3E) ARRS)
(Helicopter Mechanic Flying (H-3) Basic)
Course Number: H3FM1; H3FM2; 431XF-2; 431XF-1; 431XE-2; 431XE-1.
Location: 1550th Aircrew Training and Test Wing, Hill AFB, UT.
Length: 4–10 weeks (37–111 hours).
Exhibit Dates: 6/72–Present.
Objectives: To train helicopter mechanics to repair, and serve as crew members on, H-3 and H-53 helicopters.
Instruction: Flight training, including flight preparation, ground operations, inflight maintenance, instruments, emergency procedures, and post-flight procedures; and lectures and practical experience in the repair of the Limited Night Recovery System (LNRS).
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (2/74).

AF-1606-0045

1. RADAR INTERCEPT OFFICER TRAINING (MG-12/13)
(Radar Intercept Officer Training)
2. NAVIGATOR RADAR INTERCEPT

Course Number: 156103.
Location: Air Training Command, Connally AFB, TX.
Length: *Version 1:* 25 weeks (511–533 hours). *Version 2:* 21 weeks (386 hours).
Exhibit Dates: *Version 1:* 8/58–12/68. *Version 2:* 6/57–7/58.
Objectives: To qualify Air Force navigators as radar intercept officers.
Instruction: Lectures and practical exercises in navigation and flight line orientation; basic and advanced interceptor techniques; applied tactics; interceptor techniques in flight simulator; electricity and magnetism; circuits and voltmeter, ammeter, ohmmeter familiarization; vacuum tubes, diodes, triodes, tetrodes, pentodes, and thyratrons; power supplies; amplifiers; oscillators; high-frequency circuits and systems; transmission lines and wave-guides; applied intercept techniques; aircraft and surface vessel recognition; and aircraft engineering.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, credit in navigation and electricity on the basis of institutional evaluation (12/68).

AF-1606-0047

ADVANCED AEROSPACE PHOTO INTELLIGENCE

Course Number: OTS8044-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 6/62–12/68.
Objectives: To provide intelligence personnel with advanced training in the processing, storing, retrieving, interpretation, and dissemination of intelligence information.
Instruction: Lectures and practical exercises in the interpretation, processing, storage, retrieval and dissemination of intelligence information, including introductory reconnaissance systems, automatic data processing, photogrammetry, applications of photo intelligence information, microscale photo interpretation, and physical factors in photo interpretation.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo intelligence (12/68).

AF-1606-0048

DEFENSE SENOR INTERPRETATION AND APPLICATIONS TRAINING (DSIAT) (OFFICER)

Course Number: OZR8011.
Location: Armed Forces Air Intelligence Training Center, Offutt AFB, NE.
Length: 12 weeks (480 hours).
Exhibit Dates: 10/64–12/68.
Objectives: To train officers to perform as photographic interpreters.
Instruction: Lectures and practical exercises in photo interpretation, including principles and equipment of reconnaissance systems, impact and significance of improved lens/film combinations, use of improved optical and mensuration devices, microscale photo interpretation, automatic and electronic intelligence interpretation, photogrammetry, and photo processing techniques.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo intelligence (12/68).

AF-1606-0050

PHOTO INTERPRETATION SPECIALIST

Course Number: ABR20630; AB20630; AB20431.
Location: 3750th Technical School, Sheppard AFB, TX; 3415th Technical School, Lowry AFB, CO.
Length: 12–19 weeks (360–540 hours).
Exhibit Dates: 4/54–12/68.
Objectives: To train airmen to interpret, analyze, and evaluate aerial and radar scope photographs for intelligence purposes.
Instruction: Lectures and practical exercises in the interpretation, analysis, and evaluation of aerial and radar scope photographs for intelligence purposes, including filing, indexing, and plotting radar scope photographs; radar scope prediction, photo intelligence section operation, security, and map usage and intelligence information sources.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in photo interpretation (12/68).

AF-1606-0051

DEFENSE SENSOR INTERPRETATION AND APPLICATIONS TRAINING (DSIAT) (AIRMAN)

Course Number: AZR20670.
Location: Armed Forces Air Intelligence Training Center, Offutt AFB, NE.
Length: 11 weeks (440 hours).
Exhibit Dates: 10/64–12/68.
Objectives: To train enlisted personnel to perform as photographic interpreters.
Instruction: Lectures and practical exercises in photo interpretation, including principles and equipment of reconnaissance systems, impact and significance of improved lens/film combinations, use of improved optical and mensuration devices, microscale photo interpretation, automatic and electronic intelligence interpretation, photogrammetry, and photograph processing techniques.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo intelligence (12/68).

BEST COPY AVAILABLE

AF-1606-0052

1. AIR INTELLIGENCE OFFICER
2. INTELLIGENCE OFFICER

Course Number: *Version 1:* 3OBR8051-1; OBR8051-1. *Version 2:* OBR8051; OB2051; OB2051-1.

Location: *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 28–30 weeks (840–960 hours). *Version 2:* 12 weeks (360 hours).

Exhibit Dates: *Version 1:* 10/63–12/73. *Version 2:* 5/56–9/63.

Objectives: To train officers to perform as intelligence officers and intelligence photo-radar officers.

Instruction: *All Versions:* Lectures and practical exercises in photo-radar intelligence operations and principles, including image interpretation, radar and inteiligence analysis, prediction and targeting, automatic data processing and computer programming as applied to intelligence systems, mission planning, foreign air defense capabilities, nuclear weapons employment, and survival and escape techniques. *Version 1:* Includes tactical interpretation, photogrammetry, multisensor interpretation, briefing and transportation procedures, and intelligence industries.

Credit Recommendation: *Version 1:* In the upper-division baccalaurerte category, 6 semester hours in photo interpretation and intelligence methods (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in intelligence methods (12/68).

AF-1606-0054

AIR INTELLIGENCE OFFICER

Course Number: OTS8054.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 12 weeks (360 hours).

Exhibit Dates: 12/61–12/68.

Objectives: To train officers to be air intelligence officers.

Instruction: Lectures and practical exercises in air intelligence processes; maps, charts, and photographic radar interpretation; the communist threat; targeting and weapons employment planning; and combat mission activities.

Credit Recommendation: In the upper-division baccalaurcate category, 3 semester hours in intelligence methods (12/68).

AF-1606-0055

AIR INTELLIGENCE OFFICER

Course Number: 3OBR8051-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 20 weeks (620 hours).

Exhibit Dates: 7/70–12/73.

Objectives: To train officers to be intelligence officers on staff and operational units.

Instruction: Lectures in intelligence fundamentals, automatic data processing as applied to intelligence, imagery interpretation fundamentals, targeting, weapons employment planning, survival techniques, evasion procedures, resistance and escape, integrated operational intelligence system, and intelligence officer responsibilities.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in photo interpretation and intelligence methods (12/68).

AF-1606-0056

INTELLIGENCE PRECISION PHOTOGRAPHIC OFFICER

Course Number: 3OBR8061.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 13 weeks (396 hours).

Exhibit Dates: 1/73–12/73.

Objectives: To train enlisted personnel to be intelligence precision photographic officers.

Instruction: Lectures and practical exercises in photography introduction; sensitometric control techniques; chemical control techniques, and precision control techniques; color photography fundamentals; photographic unit management and administration; light theory; printing and developing processes; sensitometry and sensitometric techniques; titling, plotting, and forwarding aerial film; and airborne intelligence imagery systems.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photography (5/74).

AF-1606-0059

1. PHOTOGRAPHIC INTELLIGENCEMAN (Air Intelligence Airman)
2. INTELLIGENCE OPERATIONS SPECIALIST

Course Number: *Version 1:* 3ABR20630-1; ABR20430-1. *Version 2:* ABR20430; AB20430.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. 3415th Technical School, Lowry AFB, CO. *Version 2:* 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 14–18 weeks (402–506 hours). *Version 2:* 10–11 weeks (300 hours).

Exhibit Dates: *Version 1:* 7/64–12/73. *Version 2:* 6/54–6/64.

Objectives: To train enlisted personnel to perform intelligence operations and photographic and radar interpretation.

Instruction: Lectures and practical exercises in intelligence fundamentals; map, photographic, and radar interpretation; intelligence collection and dissemination; intelligence estimating and area studies; and mission planning and targeting.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in photographic interpretation (12/68). In the upper-division baccalaureate category, 3 semester hours in intelligence methods (12/68).

AF-1606-0061

IMAGERY INTELLIGENCE OFFICER

Course Number: 3OBR8041.

Location: Technical Training Center, Lowry AFB, CO.

Length: 24 weeks (720 hours).

Exhibit Dates: 7/72–12/73.

Objectives: To train officers to be intelligence specialists.

Instruction: Lectures and practical exercises in intelligence operations fundamentals, basic coordinate systems, automatic data processing, photogrammetry, tactical photographic mission planning, imagery interpretation, radar operations, and multisensor imagery reporting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in political science, 2 in geography, 1 in meteorology (1/74).

AF-1606-0063

HELICOPTER INSTRUCTOR PILOT TRAINING

Course Number: IHIPN; IHIPNA; IHIPF; IHIPFA; IH3PI; IH3P2/3; IH53F1; IH53P2; IH53P3.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB,NM.

Length: 2–6 weeks (111–174 hours).

Exhibit Dates: 8/77–Present.

Objectives: To train helicopter pilots to perform as instructors.

Instruction: Subjects covered include systems transition, procedures, instruments, operations, and general aircrew training on the specific helicopter system.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77).

AF-1606-0064

FLIGHT MECHANIC ADVANCED FLYING

Course Number: H53M1; H53M2.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB,NM.

Length: 4–10 weeks (66–116 hours).

Exhibit Dates: 10/77–Present.

Objectives: To qualify pilots in the H-53 helicopter.

Instruction: Many variables are involved in helicopter training; course provides training sufficient to prepare aircrew member for simulator and then aircraft flying training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77).

AF-1606-0065

PILOT ADVANCED FLYING

Course Number: H53P1; H53P2.

Location: Aerospace Rescue and Recovery Service, Kirtland AFB,NM.

Length: 4–10 weeks (70–127 hours).

Exhibit Dates: 10/77–Present.

Objectives: To qualify pilots in the H-53 helicopter.

Instruction: Course provides training sufficient to prepare aircrew member for simulator and then aircraft flying training.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77).

AF-1606-0066

HELICOPTER INSTRUCTOR PILOT (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)

Course Number: 1025D; 1025DAN; 1025DAF; 1025E1; 1025E2/3; 1025F1; 1025F2.

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.

Length: 2–6 weeks (40–178 hours).

Exhibit Dates: 10/75–Present.

Objectives: To train and qualify helicopter pilots as instructor pilots.

Instruction: Emphasis is given to developing judgment, initiative, and ability to lead. Students ability to instruct is developed.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (11/77).

AF-1606-0080

NAVIGATOR BOMBARDIER AN/ASQ-38(V) (Navigator Bombardier Training (ASQ-38))

Course Number: B-V7A-S-O; B-V7A-S; 51B-V7A-R; B-V7A-A; 152106B.

BEST COPY AVAILABLE

Location: Air Training Command, Mather AFB, CA.
Length: 13–28 weeks (347–701 hours).
Exhibit Dates: 8/65–Present.
Objectives: To train navigators to perform as navigator-bombardiers on aircraft equipped with the AN/ASQ-38 weapons control system.
Instruction: Lectures and practical exercises on the functions of navigator-bombardiers, including AN/ASQ-38 computers, radar, ancillary equipment, operations and malfunction analysis; AGM-28 grid, solo navigation and bombing; integrated navigation and bombing; bomb navigation systems; and basic and advanced operations.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0084

NAVIGATOR BOMBARDIER UPGRADE TRAINING (FB-111)
Course Number: B-V7A-D.
Location: Air Training Command, Mather AFB, CA.
Length: 9 weeks (218–226 hours).
Exhibit Dates: 11/68–Present.
Objectives: To train officers to perform as navigator-bombardiers on FB-111 aircraft.
Instruction: Lectures and practical exercises on the functions of navigator-bombardiers, including FB-111 avionics; navigation display and computer control units; optical display sight set; basic ECM principles; armament systems; astrocompass (ASQ-119); advanced avionics; control and display set; specific countermeasures receiver set, dispenser set, and trackbreaker; weapons release requirements; armament system review; simulator training; and mission planning.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0090

NAVIGATOR RECONNAISSANCE UPGRADING TRAINING (RF-4C)
Course Number: 51-B-V7B-A; 153104R.
Location: Air Training Command, Mather AFB, CA.
Length: 4 weeks (110–117 hours).
Exhibit Dates: 9/66–Present.
Objectives: To provide navigators with advanced training in aerial navigation.
Instruction: Lectures and practical exercises in reconnaissance procedures. Course includes radar, mission planning, and ECM techniques.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0091

HELICOPTER PILOT TRANSITION TRAINING (TH-1)
Course Number: F-V5F-G-O.
Location: Air Training Command, Sheppard AFB, TX.
Length: 6 weeks (128 hours).
Exhibit Dates: 4/68–Present.
Objectives: To train helicopter pilots to fly specific helicopters.
Instruction: Lectures and field exercises in the operation of TH-1F helicopters. Course includes familiarization with machinery, gauges, aerodynamics, engineering, and flight training.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/74).

AF-1606-0106

1. NAVIGATOR BOMBARDIER TRAINING
2. NAVIGATOR BOMBARDIER TRAINING (MA-6A/7A)
   (Advanced Navigator Radar Bombardment Training)
3. ADVANCED NAVIGATOR RECONNAISSANCE BOMBARDMENT
4. ADVANCED NAVIGATOR RECONNAISSANCE BOMBARDMENT
   (Advanced Observer Reconnaissance Bombardment)

Course Number: *Version 1:* 152105. *Version 2:* 152104A. *Version 3:* 152103A. *Version 4:* 152103A; 152103.
Location: Air Training Command, Mather AFB, CA.
Length: *Version 1:* 23–24 weeks (550–585 hours). *Version 2:* 4b weeks (832–855 hours). *Version 3:* 8–22 weeks (516 hours). *Version 4:* 21–42 weeks (1060–1104 hours).
Exhibit Dates: *Version 1:* 11/63–12/68. *Version 2:* 6/49–10/63. *Version 3:* 7/58–5/59. *Version 4:* 5/56–6/58.
Objectives: To train rated navigators to use computer radar bombing and navigation systems.
Instruction: *All Versions:* Lectures and practical exercises in radar navigation and bombing systems, grid navigation, tactical reconnaissance, system computers and interconnect equipment, and operating procedures. *Version 2:* Instruction includes electricity and magnetism, electrical laboratory, and radar fundamentals. *Version 3:* Instruction includes electricity and magnetism, electrical laboratory, radar fundamentals, and navigation. *Version 4:* Instruction includes navigation.
Credit Recommendation: *Version 1:* Credit is not recommeded because of the military nature of the course (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity and credit in electrical laboratory on the basis of institutional evaluation (12/68). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in navigation, 2 in electricity, and credit in electrical laboratory on the basis of institutional evaluation (12/68). *Version 4:* In the upper-division baccalaureate category, 5 semester hours in navigation (12/68).

AF-1606-0110

PRIMARY PILOT TRAINING (T/34/T-28)
(Primary Pilot Training (PA-18/T-6))
Course Number: 112101-1.
Location: Air Training Command, Columbus AFB, MS; Air Training Command, Bainbridge AFB, GA; Air Training Command, Bartow AFB, FL; Air Training Command, Graham AFB, FL; Air Training Command, Hondo AFB, TX; Air Training Command, Malden AFB, MO; Air Training Command, Marana AFB, AZ; Air Training Command, Moore AFB, TX; Air Training Command, Spence AFB, GA; Air Training Command, Stallings AFB, NC.
Length: 24 weeks (539–549 hours).
Exhibit Dates: 9/54–12/68.
Objectives: To train aviation cadets in visual and instrument flight.
Instruction: Lectures and practical exercises in visual and instrument flight. Topics include aircraft engineering, radio communications, principles of flight, flight instruments, navigation and weather.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in primary meteorology and navigation, and credit in advanced military at institutions which regularly offer such credit (12/68).

AF-1606-0117

F-111A WEAPONS SYSTEM TRAINING (MARK I)
(F-111A Weapons System Training (NAV/PILOT))
(F-111A Weapons System Training)
Course Number: F-V5H-A; F-V5H-A-0; 1111085.
Location: Air Training Command, Nellis AFB, NV; Air Training Command, Cannon AFB,NM
Length: 9 weeks (243–256 hours).
Exhibit Dates: 9/67–Present.
Objectives: To train rated pilots in the principles of radar, its employment, and in the use of F-111A avionic systems.
Instruction: Lectures and practical exercises on the principles of radar, its employment, and the operation of F-111A avionic systems, including F-111A navigation systems; bombing and weapon systems; radar air combat techniques and ECM; avionic systems operation; and simulator, mission planning and simulator critique.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (12/68).

AF-1606-0127

MEDICAL OFFICER FLIGHT FAMILIARIZATION TRAINING (T-37)
(Medical Officer Flight Familiarization Training (T-33))
Course Number: S-V8E-A; 51-935000.
Location: Air Training Command, Perrin AFB, TX; Air Training Command, Randolph AFB, TX.
Length: 5–8 weeks (106–125 hours).
Exhibit Dates: 1/63–Present.
Objectives: To train aerospace medicine residents in flight familiarization and the problems of flight personnel.
Instruction: Lectures and practical exercises in flight familiarization and the problems of flight personnel, including aviation physiology, flight planning, instrument and radio aids, flight aerodynamics, flight training and navigation, weather, and aircraft engineering.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1606-0128

ADVANCED HELICOPTER TRAINING
(Pilot Advanced Flying (HH-43) ARRS)
Course Number: 1025C-1.
Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 10–12 weeks (116–124 hours).
Exhibit Dates: 5/72–Present.
Objectives: To provide H-43 helicopter pilots with transition and tactical flight training.
Instruction: Lectures and practical exercises on H-43 helicopter engineering and operations, including familiarization, utility systems, flight controls, power plant, transmission and rotors, malfunction analysis and maintenance, search and rescue procedures, remote area operations, and engineering review.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (6/75).

AF-1606-0129

H-43 FIREFIGHTING
Course Number: 571XC-1.

BEST COPY AVAILABLE

Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 5 weeks (63 hours).
Exhibit Dates: 5/72–Present.
Objectives: To provide H-43 helicopter pilots with transition flight training and firefighting.
Instruction: Lectures and practical exercises in transition flight training for H-43 helicopter pilots, with emphasis on firefighting, including introduction to H-43 rescue and fire suppression; H-43 rescue configuration; emergency procedures, equipment, and egress; cargo sling/dummy fire kit operation; rescue hoist procedures; airborne fire suppression kit; care and operation of firefighting equipment; fire suppression procedures; rescue and evacuation; and crew duties for ground support.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0130

PARARESCUE ADVANCED FLYING TRAINING—LBR
Course Number: 923X0-5.
Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 5 weeks (63 hours).
Exhibit Dates: 5/72–Present.
Objectives: To provide H-43 helicopter pilots with transition flight training.
Instruction: Lectures and practical exercises in transition flight training for H-43 helicopter pilots, with emphasis on rescue duty, including rescue operations and training; scanning and pyrotechnics; aircrew survival training; NORAD safe-passage procedures; rescue configuration; emergency procedures, equipment and egress; and rescue hoist procedures.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0131

H-1 HELICOPTER PILOT
(Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53))
Course Number: H1P1; H1P2; 1025D7; 1025D7A; 1025D8; 1025D8A; 1025C-F.
Location: Aerospace Rescue and Recovery Service, Kirtland AFB,NM. Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 4–12 weeks (45–156 hours).
Exhibit Dates: 7/71–Present.
Objectives: To train helicopter pilots in advanced tactical maneuvers in the H-1, H-3, H-43, or H-53 helicopter.
Instruction: Lectures and practical exercises in advanced helicopter training, including advanced flight maneuvers, night flight, remote operations, cargo operations, navigation, aircraft familiarization, and flight training.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1606-0132

F-111A WEAPONS SYSTEM TRAINING (AIRCRAFT COMMANDER)
Course Number: 51-F-V5H-B.
Location: Air Training Command, Nellis AFB, NV.
Length: 3 weeks (91 hours).
Exhibit Dates: 7/68–Present.
Objectives: To train aircraft commanders in the operation and use of the F-111A avionics system.
Instruction: Lectures and practical exercises in the operation and use of the F-111A avionics system, including weapons system capability, inertial alignment procedures, attack radar modes of operation, simulator procedures, radar types, terrain-following operation, countermeasures dispenser set, conventional munitions control system, avionics system operation, and integrated mission procedures.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (7/74).

AF-1606-0138

PILOT ADVANCED FLYING (TH-1F) BASIC
Course Number: 1025D-0.
Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 4 weeks (48 hours).
Exhibit Dates: 4/72–Present.
Objectives: To train pilots to pilot H-1 helicopters.
Instruction: Lectures and practical exercises in the operation of H-1 helicopters. Course includes all aspects of flight procedure, including flight checks, safety, and general flight training.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0139

PILOT ADVANCED FLYING (TH-1F) SAC
Course Number: 1025D-1.
Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 8 weeks (100 hours).
Exhibit Dates: 4/72–Present.
Objectives: To train pilots to pilot H-1 helicopters.
Instruction: Lectures and practical exercises in the operation of H-1 helicopters. Course includes all aspects of flight procedure, including flight checks, safety, and general flight training.
Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (7/74).

AF-1606-0140

PILOT ADVANCED FLYING (UH-1N) BASIC
Course Number: 1025D-3.
Location: Aerospace Rescue and Recovery Service, Hill AFB, UT.
Length: 4 weeks (41 hours).
Exhibit Dates: 4/72–Present.
Objectives: To train pilots to pilot H-1 helicopters.
Instruction: Lectures and practical exercises in the operation of H-1 helicopters. Course includes all aspects of flight procedure, including flight checks, safety, and general flight training.
Credit Recommendation: Credit is not recommeded because of the military nature of the course (7/74).

AF-1606-0143

ARMY PRIMARY PILOT TRAINING
Course Number: 105400-1.
Location: Air Training Command, Edward Gary AFB, TX.
Length: 17 weeks (515–556 hours).
Exhibit Dates: 10/53–12/68.
Objectives: To provide Army officers with training in the basic principles of visual, instrument, and night flying.
Instruction: Lectures and practical exercises in advanced tactics training, including flight training, aircraft engineering, weather, principles of flight, navigation, radio communications, flight instruments, flight planning, and aural and visual code.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in primary meteorology and navigation, and credit in advanced military at institutions which normally offer such credit (12/68).

AF-1606-0145

1. UNDERGRADUATE NAVIGATOR TRAINING
2. UNDERGRADUATE NAVIGATOR TRAINING
3. UNDERGRADUATE NAVIGATOR TRAINING
4. UNDERGRADUATE NAVIGATOR TRAINING
5. UNDERGRADUATE NAVIGATOR TRAINING (Primary-Basic Navigator Training)
6. UNDERGRADUATE NAVIGATOR TRAINING (Primary-Basic Navigator Training)
7. PRIMARY-BASIC NAVIGATOR TRAINING
8. PRIMARY-BASIC NAVIGATOR TRAINING

Course Number: *Version 1:* N-V-6A-B; N-V6A-F; 5-N-V6A-A; N-V6A-D. *Version 2:* 5-N-V6A-A; 153132. *Version 3:* 153138. *Version 4:* 153138. *Version 5:* 153138; 153132; 153130. *Version 6:* 153138; 153132; 153130. *Version 7:* 153101. *Version 8:* 153101.
Location: *Version 1:* Air Training Command, Mather AFB, CA. *Version 2:* Air Training Command, Mather AFB, CA. *Version 3:* Air Training Command, Connally AFB, TX. *Version 4:* Air Training Command, Connally AFB, TX. *Version 5:* Air Training Command, Connally AFB, TX. *Version 6:* Air Training Command, Harlingen AFB, TX. *Version 7:* Air Training Command, Ellington AFB, TX. *Version 8:* Air Training Command, Harlingen AFB, TX.
Length: *Version 1:* 28–36 weeks (384–818 hours). *Version 2:* 38 weeks (852–946 hours). *Version 3:* 37 weeks (935 hours). *Version 4:* 44 weeks (954–1030 hours). *Version 5:* 30–38 weeks (805–862 hours). *Version 6:* 30–38 weeks (805–862 hours). *Version 7:* 42 weeks (1158 hours). *Version 8:* 42 weeks (1158 hours).
Exhibit Dates: *Version 1:* 8/71–Present. *Version 2:* 8/65–7/71. *Version 3:* 2/65–7/65. *Version 4:* 11/62–1/65. *Version 5:* 9/57–10/62. *Version 6:* 9/57–10/62. *Version 7:* 4/57–8/57. *Version 8:* 4/57–8/57.
Objectives: To train personnel as navigators.
Instruction: *All Versions:* Lectures and practical exercises in navigation, including dead-reckoning, day celestial, night celestial, grid, and radar navigation; aviation physiology, weather; equipment; and flight training. *Version 1:* Topics include flight training, map reading and radar, life support systems, aircraft and navigational equipment, aural code, aircraft systems, flight publications, navigation procedures, over-water navigation, advanced operations, and low-level navigation. *Version 2:* Topics include basic navigation procedures, aural and visual code, radar navigation, aircraft electrical system, special techniques, over-water navigation, ECCM familiarization, and flight publications. *Version 3:* Topics include survival, basic navigation procedures, aural and visual code, map reading and radio, electricity and magnetism, alternating current, vacuum tubes, special techniques and aids, over-water navigation, and elec-

BEST COPY AVAILABLE

tronic warfare orientation. *Version 4:* Topics include survival, basic navigation procedures, electricity and magnetism, aural and visual code, map reading and radio, alternating current, vacuum tubes, basic radio, Loran/Consol navigation, pressure differential flying, special techniques and aids, weapons orientation, and electronic warfare orientation. *Version 5:* Topics include code, nuclear weapons delivery; aircraft recognition; maps, charts, and DR equipment; dead-reckoning aids; air plot and DR techniques; Loran; pressure differential; operational techniques; electricity and magnetism; alternating current; vacuum tubes; radio and Loran; and radar systems. *Version 6:* Topics include code, nuclear weapons delivery; aircraft recognition; maps, charts, and DR equipment; dead-reckoning aids; air plot and DR techniques; Loran; pressure differential; operational techniques; electricity and magnetism; alternating current; vacuum tubes; radio and Loran; and radar systems. *Version 7:* Topics include aural and visual code; maps, charts, and dead-reckoning equipment; dead-reckoning aids, DR techniques and air plot; Loran navigation; pressure differential flying; operational techniques; nuclear weapons delivery training; and survival. *Version 8:* Topics include aural and visual code; maps, charts, and dead-reckoning equipment; dead-reckoning aids; DR techniques and air plot; Loran navigation; pressure differential flying; operational techniques; nuclear weapons delivery training; and survival.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74). *Version 2:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74); in the upper-division baccalaureate category, 6 semester hours in navigation (12/68). *Version 3:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation (12/68). *Version 4:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 5:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 6:* In the lower-division baccalaureate/associate degree category, 6 semester hours in navigation (7/74); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 7:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68). *Version 8:* In the lower-division baccalaureate/associate degree category, 2 semester hours in electricity (12/68); in the upper-division baccalaureate category, 6 semester hours in navigation, and credit in advanced military at institutions which normally offer such credit (12/68).

AF-1606-0146

NAVIGATOR BOMBARDIER SYSTEM TRAINING (FB-111)

Course Number: 51-F-V5H-E.

Location: Air Training Command, Mather AFB, CA.

Length: 3 weeks (82 hours).

Exhibit Dates: 5/69–Present.

Objectives: To train pilots in the operation of FB-111 avionics equipment, with emphasis on bombing.

Instruction: Practical exercises in avionics and mission planning.

Credit Recommendation: Credit is not recommended because of the military-specific nature of the course (2/74).

AF-1606-9149

HC-130 AIRCREW INSTRUCTOR TRAINING

Course Number: I-HC130P1; I-HC130RO1; I-HC130N1; I-HC130FE1; I-HC130LM1; I-1035B1; I-1535Z1; I-A293X31; I-A435X0A1; I-A607706.

Location: Aerospace Rescue and Recovery School, Hill AFB, UT.

Length: 8 weeks (131–168 hours).

Exhibit Dates: 11/74–Present.

Objectives: To train and qualify personnel to perform as instructor pilot (I-1035B1); instructor navigator (I-1535Z1); instructor radio operator (I-A293X31); instructor flight engineer (I-A435X0A1); or instructor loadmaster (I-A607706).

Instruction: Instruction in the principles of instructing and practical exercises in piloting, navigation, radio operation, flight engineering, and loadmaster techniques.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in aircrew instructional methods (6/75).

AF-1701-0001

AIR CONDITIONING ENGINEERING

Course Number: None.

Location: Civil Engineering School, Wright-Patterson AFB, OH.

Length: 6 weeks (253 hours).

Exhibit Dates: 4/73–Present.

Objectives: To train engineers to apply current technology to building enviromental control systems.

Instruction: Lectures and practical exercises in air conditioning engineering at the advanced level. Course includes management concerns, psychrometrics, load estimating, refrigeration principles, equipment selection, load analysis, design analysis, systems, piping design, duct design, electrical controls, and design problems.

Credit Recommendation: In the upper-division baccalaureate category, 12 semester hours in air conditioning engineering (6/74).

AF-1703-0005

SPECIAL VEHICLE REPAIRMAN (TOWING AND SERVICING VEHICLE)

Course Number: 3ABR47231-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: *Version 1:* 14 weeks (512 hours). *Version 2:* 10 weeks (398 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 2/73–6/73.

Objectives: To train airmen to perform as special vehicle repairmen (towing and servicing vehicles).

Instruction: *All Versions:* Lectures and practical exercises in the functions of special vehicle repairmen, including inspection, service, testing, adjustments, troubleshooting, and repairing towing and servicing vehicles; gasoline and diesel engine tune-up and repair, transmission servicing and adjustment; cooling and lubrication systems servicing and repair; power train repair; steering and brake systems repair and adjustment; electrical and hydraulic system servicing and repair; anti-pollution and emission control systems inspection and servicing; preparation of vehicles for climatic conditions, storage, shipment, and corrosion control; safety; maintenance management; communications security; publications; and test and repair equipment. *Version 2:* Topics include driver education, supplemental military training, troop information program, and briefings.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in automotive power plants (7/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in automotive power plants (7/74).

AF-1703-0006

GENERAL PURPOSE VEHICLE REPAIRMAN

Course Number: 3ABR47330.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 12–13 weeks (360–390 hours).

Exhibit Dates: 1/70–12/73.

Objectives: To train enlisted personnel to repair passenger cars and light- and medium-duty trucks.

Instruction: Lectures and practical exercises in the mechanics and repair of passenger cars and light- and medium-duty trucks. Course includes gasoline engines, fuel systems, electrical systems, chassis and suspension, power trains, and brakes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in power plants and tune-up, 3 in automobile electrical systems, 3 in power trains (7/74).

AF-1703-0007

GENERAL PURPOSE VEHICLE REPAIRMAN (ACCELERATED)

Course Number: 3ABR47330.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 9–10 weeks (270–300 hours).

Exhibit Dates: 1/70–12/73.

Objectives: To train enlisted personnel to repair passenger cars and light- and medium-duty trucks.

Instruction: Lectures and practical exercises in the mechanics and repair of passenger cars and light- and medium-duty trucks. Course includes gasoline engines, fuel systems, electrical systems, chassis and suspension, power trains, and brakes.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in power plants and tune-up, 3 in automobile electrical systems, 3 in power trains (7/74).

AF-1703-0008

AUTOMOTIVE AC ELECTRICAL SYSTEMS

Course Number: 3AZR47350-2.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (78–94 hours).

Exhibit Dates: 8/72–12/73.

Objectives: To train maintenance personnel to repair automotive electrical systems.

Instruction: Lectures and practical exercises in the duties of automotive electrical systems technicians. Course includes theory of operation, transistor application, voltage regulators, troubleshooting, and repair and testing of AC system components.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in automotive electronics (7/74).

AF-1703-0010

VEHICLE MAINTENANCE TECHNICIAN

Course Number: AA47170.

Location: 3450th Technical School, Warren AFB, WY.

Length: 19 weeks (570 hours).

Exhibit Dates: 6/55–12/68.

Objectives: To train selected senior-level specialists to maintain and inspect representative types of general-purpose, special-purpose, and construction equipment.

Instruction: Lectures and practical exercises in maintenance and inspection of general-purpose, special-purpose and construction equipment. Course includes publications, maintenance of power-train units and use of special equipment, maintenance of engines and electrical equipment, including use of diagnostic and reconditioning equipment, troubleshooting procedures, on-the-job-training, and shop supervision.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in advanced garage practice (7/74).

AF-1703-0012

GENERAL PURPOSE AUTOMATIC TRANSMISSION MAINTENANCE

Course Number: 3AZR47350-3.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 3 weeks (120 hours).

Exhibit Dates: 7/73–12/73.

Objectives: To train maintenance personnel as repairmen on general-purpose vehicle automatic transmissions.

Instruction: Lectures and practical exercises in the repair of general-purpose vehicle automatic transmissions, including basic hydraulic principles; planetary gear systems; transmission test instruments; troubleshooting, repair, and testing of specific transmissions; and general maintenance procedures.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in automotive technology (7/74).

AF-1703-0017

VEHICLE DIAGNOSTIC TEST EQUIPMENT

Course Number: 3AZR47350-1; AZR47151-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180–240 hours).

Exhibit Dates: 11/65–12/73.

Objectives: To train enlisted personnel to use modern automotive test equipment to diagnose and repair defects in automotive vehicles.

Instruction: Lectures and practical exercises in the use of diagnostic automotive equipment. Course includes chassis and front-end alignment, automotive electrical systems, fuel and ignition systems, and use of diagnostic equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in engine diagnosis (7/74).

AF-1703-0018

GENERAL PURPOSE VEHICLE MECHANIC BY CORRESPONDENCE

Course Number: 47252.

Location: Extension Course Institute, Gunter AFS,AL.

Length: Maximum of 52 weeks.

Exhibit Dates: 3/81–Present.

Objectives: To train enlisted personnel to repair general purpose vehicles.

Instruction: This correspondence course offers individualized reading and study of the basic theory of operation and the repair of buses, trailers, semi-trailers, light and medium trucks and staff cars. The course includes shop organization publications, supply, vehicle inspection, engines, fuel systems, exhaust and emission systems, electrical systems, hydraulics, power trains, heating, air conditioning, and front end alignment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in general automotive repair, 1 in shop practices, and 1 in preventive maintenance systems (9/85).

AF-1703-0019

FUEL SPECIALIST BY CORRESPONDENCE

Course Number: 63150.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 4/83–Present.

Objectives: To train selected enlisted personnel to become fuel specialists.

Instruction: This course presents individualized readings dealing with airmen fuel career fields, publications and operations security, safety, fuel control centers, fuel quality assurance and product accountability, fueling systems, air transportable fuel systems, cryotainers and mobile fueling equipment.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in aviation technology (12/84).

AF-1704-0002

AIR TRAFFIC CONTROL OFFICER

Course Number: *Version 1:* 3OBR1631. *Version 2:* OBR1631; OB1631.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 16–17 weeks (480–510 hours). *Version 2:* 12–14 weeks (420–476 hours).

Exhibit Dates: *Version 1:* 2/69–12/73. *Version 2:* 3/58–1/69.

Objectives: To provide officers and enlisted personnel with training in all phases of air traffic control, qualifying them for FAA control tower certification.

Instruction: Lectures and practical exercises in air traffic control operations, including VFR and IFR radar/nonradar traffic control, meteorology, navigation, and FAA certification instruction and examination.

Credit Recommendation: In the upper-division baccalaureate category, 8 semester hours in air traffic control (3/74). In the upper-division baccalaureate category, credit in meterology or air navigation on the basis of institutional evaluation (12/68).

AF-1704-0010

ADVANCED AIR TRAFFIC CONTROL OFFICER

Course Number: OAR1611.

Location: Technical Training Center, Keesler AFB, MS.

Length: 10 weeks (300 hours).

Exhibit Dates: 2/60–12/68.

Objectives: To train officers to plan and direct air traffic control activities.

Instruction: Lectures in duties and responsibilities of air traffic control staff officers; navigational aids; plans, programs, and budgets; and air traffic control planning exercises.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in air traffic control management (12/68).

AF-1704-0013

AIRCRAFT MAINTENANCE TECHNICIAN

Course Number: AAR43171.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 16 weeks (480 hours).

Exhibit Dates: 8/66–4/68.

Objectives: To train airmen as aircraft maintenance technicians.

Instruction: Lectures and practical exercises in maintenance of jet and reciprocating-engine fixed-wing aircraft; standard publication systems; administration and management duties; aircraft records; weight and balance functions; and theory of operation, functional checks and troubleshooting of aircraft systems.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electricity/electrical laboratory on the basis of institutional evaluation (12/68).

AF-1704-0027

1. FLIGHT ENGINEER SPECIALIST, JET AIRCRAFT
2. FLIGHT ENGINEER SPECIALIST
3. FLIGHT ENGINEER TECHNICIAN

Course Number: *Version 1:* 3ALR43550C. *Version 2:* ALR43550C. *Version 3:* ALR43570; ALR43174; AL43174.

Location: 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 10 weeks (300 hours). *Version 2:* 12 weeks (360 hours). *Version 3:* 13–14 weeks (390–420 hours).

Exhibit Dates: *Version 1:* 1/70–12/73. *Version 2:* 3/67–12/69. *Version 3:* 3/58–2/67.

Objectives: To train enlisted personnel to perform as flight engineers.

Instruction: *All Versions:* Lectures and practical experience in jet aircraft flight engineering, including ground instruction in time, speed, distance, and fuel conversion factors and formulae, and graphic and linear interpolation; aerodynamics; weight and balance; takeoff and landing planning; aircraft climb, cruise, and descent performance analysis; log maintenance; maximum load mission requirements; and mission preplanning and in-flight replanning. *Version 1:* Instruction applicable to jet aircraft. *Version 2:* Instruction applicable to reciprocating and jet aircraft. *Version 3:* Instruction applicable to reciprocating aircraft.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in flight engineering (2/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in aerodynamics (12/68). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in aerodynamics (12/68).

AVAILABLE

AF-1704-0031

C-141 Flight Engineer Technician

Course Number: A435X0C-1.
Location: 443d Military Airlift Wing, Altus AFB, OK.
Length: 9 weeks (131 hours).
Exhibit Dates: 7/72–Present.
Objectives: To provide flight engineers with knowledge of the normal and emergency functions of the C-141 aircraft.
Instruction: Lectures and practical exercises on the C-141 aircraft, its systems and components, and troubleshooting.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in flight engineer technician (2/74).

AF-1704-0033

C-5 Flight Engineer Technician (Flight Engineer School, C-5)

Course Number: A43570C-4.
Location: 443d Military Airlift Wing, Altus AFB, OK.
Length: 9 weeks (130 hours).
Exhibit Dates: 2/73–Present.
Objectives: To provide enlisted personnel with a practical knowledge of the C-5 aircraft, its subsystems, and troubleshooting procedures.
Instruction: Lectures and practical exercises in troubleshooting and solution of performance problems; simulator training designed to enable students to perform preflight checks without assistance, to understand both normal and emergency procedures, and to manage subsystems with and without related component failures; flight training in which students demonstrate the ability to accomplish normal and emergency operation procedures, preflight checks, and scanner preflight checks, and to demonstrate ability to manage and/or operate pertinent aircraft subsystems.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in flight engineering (2/74).

AF-1704-0049

Reciprocating Engine Technician

Course Number: AAR43271; AA43271.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 14 weeks (420 hours).
Exhibit Dates: 5/56–12/68.
Objectives: To train reciprocating-engine technicians as maintenance supervisors.
Instruction: Lectures and practical exercises in personnel and equipment management, including operating principles and construction features of reciprocating engines; and application or principles in inspection, repair, adjustment and conditioning of engine systems. Practical experience in troubleshooting, analysis, minor repair, and build-up of reciprocating engines.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management or aviation maintenance management (12/68).

AF-1704-0054

Airframe Repair Specialist by Correspondence

Course Number: 53153.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 4/77–Present.
Objectives: To train a technician through on-the-job supervision and home study in airframe repair.
Instruction: Through on the job training under supervision and home study modules the student covers the following: airframe repair operations, the airframe shop, supervision and training, supply system management, technical order system, and airframe safety. Also covered are metal working, aircraft construction features, aircraft metals, basic handtools, layout techniques, metal forming and cutting. The course also includes repair procedures such as drilling and riveting, repair procedures and damage removal and layout, and special repair layout. Specialized repairs include plastic structures, fiber glass structures, metal bonded honeycomb structures, aircraft cables, tubing, and balancing and alignment of aircraft structures. Course concludes with a proctored examination.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 5 semester hours aircraft structural repairs, 1 in aircraft rigging (3/85).

AF-1704-0070

Master Crew Chief

Course Number: None.
Location: 443d Military Airlift Wing, Altus AFB, OK.
Length: 2 weeks (68 hours).
Exhibit Dates: 2/73–Present.
Objectives: To provide enlisted personnel with a basic understanding of maintenance management.
Instruction: Lectures and practical experience in systems management and the fundamentals of organization, maintenance data collection, supply procedures, and standards and inspection.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in aviation maintenance management (2/74).

AF-1704-0078

Jet Engine Technician

Course Number: 3AAR43270-1; AAR43270-1; AAR43270; AA43270.
Location: 3345th Technical School, Chanute AFB, IL; 3750th Technical School, Sheppard AFB, TX.
Length: 10–16 weeks (300–480 hours).
Exhibit Dates: 5/56–6/73.
Objectives: To train enlisted personnel to maintain and repair jet turbines.
Instruction: Lectures and practical experience in turbine jet engine maintenance and repair, including maintenance principles, inspection procedures and trouble analysis, minor repair procedures, support equipment operation and maintenance, and test facility operation and usage.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1704-0083

Aircraft Maintenance Indoctrination (SAC)

Course Number: OZR4341-2.
Location: Technical Training Center, Chanute AFB, IL.
Length: 6 weeks (138 hours).
Exhibit Dates: 10/60–12/68.
Objectives: To train enlisted personnel in aircraft electronics maintenance.
Instruction: Lectures and practical exercises in line maintenance organization, publications, control, data collection systems, precision measuring equipment, records analysis, quality control, accident investigation, safety, and problem solving.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1704-0088

Aircraft Maintenance Technician, Reciprocating Engine Aircraft

Course Number: AAR43171A; AAR43171B; AA43171B.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 14–16 weeks (420–480 hours).
Exhibit Dates: 11/55–12/68.
Objectives: To train aircraft mechanics to plan and schedule maintenance work.
Instruction: Lectures and laboratories in maintenance, aircraft electrical systems, aircraft hydraulic systems, aircraft records, maintenance management, and personnel utilization.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), and credit in electricity and electrical laboratory on the basis of institutional evaluation (3/74).

AF-1704-0094

Flight Engineer Specialist by Correspondence

Course Number: 11350C.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 4/82–Present.
Objectives: To teach individuals to perform as flight engineers without direct supervision.
Instruction: The course consists of a combination of self-study supplemented by close supervision. Introduction to flight management procedures and aircraft record keeping is presented. The course also covers ground handling and service of aircraft before and after flight. There is an in-depth study of factors which influence aircraft cargo distribution for safe loading, and calculations of aircraft performance from takeoff to landing. The course includes climb, cruise, and descent performance. Other topics involve the understanding of electrical, hydraulic, instrument, fuel and related aircraft systems; powerplants, auxiliary power units, bleed air, air conditioning and pressurization systems; adverse weather, fire emergency, oxygen, communications and navigation systems. Systems study leads to qualification to operate systems in normal and emergency situations.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in flight engineer (3/85).Course concludes with a proctored examination.

AF-1704-0102

Aircraft Maintenance Specialist, Tactical Aircraft by Correspondence

Course Number: 43151.
Location: Extension Course Institute, Gunter AFS,AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/79–Present.
Objectives: To provide education and training in the techniques and applications of skills related to aircraft maintenance of tactical aircraft.
Instruction: This correspondence course of instruction consists of on-the job supervision and at home studies. The course provides general knowledge about maintenance

BEST COPY AVAILABLE

management, maintenance and inspection concepts, and aircraft hardware and tools. The course provides information about aircraft, cleaning and corrosion control, ground equipment and ground handling and egress systems, maintenance tasks related to electrical, pneudralic, flight controls, landing gears, oxygen, and utility systems, as well as providing general information about turbojet, and reciprocating engines.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in aircraft cleaning and corrosion control or in aircraft ground servicing and handling (3/85). Course concludes with a proctored examination.

AF-1704-0126

GUIDANCE SYSTEM TECHNICIAN (SM68)

Course Number: ATS31170P-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 32 weeks (960 hours).

Exhibit Dates: 6/61–12/68.

Objectives: To train advanced maintenance technicians to maintain and repair rocket guidance systems.

Instruction: Lectures and practical exercises in the maintenance and repair of rocket guidance systems. Course includes functional description, operating procedures, operational check-out, simplified troubleshooting, removal and replacement, alignment procedures, data flow loop theory, inspections, chassis repair, and test pack operation and maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical systems maintenance management (6/74).

AF-1704-0137

JET ENGINE MECHANIC BY CORRESPONDENCE

Course Number: 42652.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 4/81–Present.

Objectives: To train a lesser experienced mechanic for more responsible levels of maintenance with progressively less supervision required.

Instruction: This is an independent study program complemented by direct and indirect supervision during hands-on training. The student studies the following: overview of aircraft engine maintenance complex/organization; introduction to personnel supervision and relations; fundamentals of equipment and tool control, supply procedures, technical publications and training; operating principles and construction of small and large gas turbine engines; special tools and equipment; maintenance and inspection systems and documentation; repair and maintenance of gas turbine engines to include corrosion control, storage and transportation; operations, maintenance and service of ground equipment; principles of fuels, fuel systems, lubricants, oil systems, starter and ignition systems; jet engine thrust augmentation, variable nozzle systems, thrust reversers, constant special devices; testing, instrumentation, checks and adjustments of jet engines; engine/systems troubleshooting, removal, and installation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in aircraft jet engines and related systems (3/85). Course concludes with a proctored examination.

AF-1704-0143

A/E24U-8 POWER PLANT INTERMEDIATE AND ORGANIZATIONAL (I & O) MAINTENANCE

Course Number: 3ABR42153-1; AZR42153-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 5–6 weeks (168–208 hours).

Exhibit Dates: 3/72–12/73.

Objectives: To train enlisted personnel to maintain electrical power plants.

Instruction: Lectures and practical exercises in the maintenance of electrical power plants. Topics include gas turbine engines, solid-state control devices, and logic and circuit functions and diagrams.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in gas turbine engines, 3 in electronics laboratory (7/74).

AF-1704-0162

AIRCRAFT MAINTENANCE TECHNICIAN, TACTICAL AIRCRAFT BY CORRESPONDENCE

Course Number: 43171.

Location: Entension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 11/79–Present.

Objectives: To provide education and training in techniques and application of skills related to aircraft maintenance at a technician's level on tactical aircraft.

Instruction: This correspondence course consists of on-the-job supervision and at home studies on various tactical aircraft in the area of supervision, supply maintenance management, publications and aircraft records, aircraft inspection, and maintenance systems, ground handling equipment, aircraft systems, pneudralics, airframe and egress systems, landing gear and flight control system, fuel systems, power plant, electrical, oxygen, and aircraft utility system.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in aircraft ground servicing and handling (3/85). Proctored final examination is required.

AF-1704-0165

AIRCRAFT ELECTRICAL REPAIR TECHNICIAN
(Aircraft and Missile Electrical Repair Technician)

Course Number: 3AAR42370; AAR42370; AA42370.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 14–16 weeks (420–480 hours).

Exhibit Dates: 4/58–12/73.

Objectives: To train airmen to repair electrical equipment on aircraft.

Instruction: Lectures and practical exercises in the repair of aircraft electrical equipment, including DC and AC power supplies, transformers and motors, diodes, transistors, special-purpose tubes, switching circuits, oscillators, inverters and control panel circuits, electrical test equipment, electrical system components and subsystems, troubleshooting and maintenance, and maintenance management procedures.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (7/74).

AF-1704-0172

TURBOPROP PROPULSION MECHANIC BY CORRESPONDENCE

Course Number: 42653.

Location: Extension Course Institute, Gunter AFS,AL.

Length: Maximum 52 weeks.

Exhibit Dates: 4/84–Present.

Objectives: To train a less experienced mechanic for more responsible levels of maintenance with progressively less supervision being required.

Instruction: Through independent study complemented by directly and indirectly supervised hands-on training the student works and learns in the following areas: maintenance site orientation and maintenance management, supervision and human relations, gas turbine engines and systems, principles of operation, inspection maintenance and repair to include prevention maintenance, troubleshooting and testing of engines and systems. Systems studied include Hamilton Standard propeller controls and General Electric small turboshaft engines with basic material on tools, equipment, fuels and fuel systems, oil and oil systems, engine instruments and indicating systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in aircraft turboprop engines and subsystems (3/85).Proctored final examination is required.

AF-1704-0173

MISSILE PNEUDRAULIC REPAIRMAN (LGM-25)

Course Number: 3ABR44230F-1; ABR44230F-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 18 weeks (510 hours).

Exhibit Dates: 4/66–3/71.

Objectives: To train airmen as missile pneudraulic repairmen for specific missiles.

Instruction: Lectures and practical exercises on the duties of missile pneudraulic repairmen. Topics include principles of mechanics; fundamentals of AC and DC; motors, generators, and malfunction analysis; electronics and rocket engines; calibration, hydraulic pumping unit, and fluid analysis; flight controls, missile hydraulic systems and hydraulic system control unit; facility pneudraulic systems; antenna pneumatic systems and hydraulic components test stand.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity for non-technical students (7/74).

AF-1704-0181

STRATEGIC AIRCRAFT MAINTENANCE SPECIALIST BY CORRESPONDENCE
(Aircraft Maintenance Specialist, Airlift and Bombardment Aircraft by Correspondence)

Course Number: 43152C.

Location: Extension Course Institute, Gunter AFS,AL.

Length: Maximum 52 weeks.

Exhibit Dates: 10/82–Present.

Objectives: To provide education and training in the techniques and applications of skills related to aircraft maintenance on strategic aircraft.

Instruction: This correspondence course of instruction consists of on the job supervision and at home studies. The course pro-

BEST COPY AVAILABLE

vides general knowledge of aircraft maintenance and job-related information about airframe systems, ground handling and servicing; fuel; turboprop and electrical systems; and hydraulic, landing gear, flight controls,and utility systems.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in aircraft ground servicing and handling (3/85). Proctored final examination is required.

AF-1704-0184

AIRLIFT AIRCRAFT MAINTENANCE SPECIALIST BY CORRESPONDENCE
(Aircraft Maintenance Specialist and Bombardment Aircraft by Correspondence)

Course Number: 43152G.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/82-Present.
Objectives: To provide education and training in techniques and applications of skills related to maintenance of airlift and bombardment aircraft.
Instruction: This correspondence course consists of at home studies and on the job supervision on the C-141 and C-5A jet aircraft in the area of technical and material deficiency reporting. Inspection concepts, tools, and material supply, ground handling, equipment, airframe systems, fuel systems, powerplant and auxiliary power unit (APU), electrical system, hydraulic and cargo door system, landing gear, flight controls and utility systems are all covered.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in aircraft ground servicing and handling (3/85). Proctored final examination is required.

AF-1704-0187

AEROSPACE GROUND EQUIPMENT MECHANIC BY CORRESPONDENCE
Course Number: 42153.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 12/79-Present.
Objectives: To advance the technical skills of ground equipment mechanics in aerospace ground equipment.
Instruction: This correspondence course and practical exercises focuses on operation and maintenance of aerospace ground equipment. Topics include maintenance policies, practices and procedures, electrical circuits and components, engines (gas and turbine), generators, air compressors, heating, air conditioning, bomb lifts, diesels, hydraulics, and test equipment. There is a proctored final examination.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in ground equipment repair (3/85).

AF-1704-0188

STRATEGIC AIRCRAFT MAINTENANCE SPECIALIST BY CORRESPONDENCE
Course Number: 43152E.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/82-Present.
Objectives: To provide education in the techniques and applications of skills related to aircraft maintenance.
Instruction: This correspondence course consists of on-the-job supervised application and at home studies in the areas of: maintenance inspection concepts, tools, maintenance material, supply, ground handling requirements, airframe systems, pneudralic systems, landing gears, flight control and ground support equipment, all for the KC 135 jet aircraft.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in aircraft ground servicing and handling (3/85). Proctored final examination is required.

AF-1704-0189

JET ENGINE TECHNICIAN BY CORRESPONDENCE
Course Number: 42672.
Location: Entension Course Institute, Gunter AFS, AL.
Length: Maximim 52 weeks.
Exhibit Dates: 7/84-Present.
Objectives: To teach the jet engine mechanic to repair and maintain small and large gas turbine engines and to train and supervise lesser skilled mechanics.
Instruction: Course offers independent study complimented by direct and indirect supervision in the following areas: maintenance and personnel management with emphasis on supervisory functions, safety compliance, personnel evaluations and training of subordinates, maintenance management, data collection and publications; supply functions; inspection systems, electrical systems components and diagrams, disassembly inspection and reassembly of both small and large gas turbine engines; testing, operational checks and adjustments of jet engines; use of engine noise suppressors during engine maintenance test, operation and special equipment; overview of activities and procedures related to jet engine maintenance.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in aircraft shop maintenance management (3/85). The course concludes with a required proctored final examination.

AF-1704-0190

AIRCRAFT MAINTENANCE TECHNICIAN, AIRLIFT AND BOMBARDMENT AIRCRAFT BY CORRESPONDENCE
Course Number: 43172.
Location: Entension Course Institute, Gunter AFS,AL.
Length: Maximum 52 weeks.
Exhibit Dates: 11/79-Present.
Objectives: To provide education and training in techniques and applications of skills related to aircraft maintenance on airlift and bombardment aircraft.
Instruction: This correspondence course consists of on-job supervision and at home studies on airlift and bombardment aircraft in the areas of: supervision, supply, maintenance management, publications and aircraft records, inspection, ground handling equipment, corrosion control, maintenance materials, aircraft ground handling, airframe system, hydraulic pressure supply, landing gears and related systems and flight control and bomb and cargo door systems, aircraft electrical and fuel systems, powerplant and related systems, auxiliary power units (APU), bleed air, air conditioning and pressurization system, anti-icing and rain removal systems, oxygen, fire and overheat systems, egress and drag chute system.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in aircraft ground servicing and handling (3/85). Proctored final examination is required.

AF-1704-0191

AIRCRAFT FUEL SYSTEMS MECHANIC BY CORRESPONDENCE
Course Number: 42353.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 6/81-Present.
Objectives: To provide education and training in the techniques and applications of skills related to aircraft fuel systems maintenance.
Instruction: This correspondence course of instruction consists of on-job supervision and at home studies in the areas of: maintenance management, shop and flight line safety, hand tools and hardware, operational checks and troubleshooting, fuel systems, fuel system safety; tools, equipment and protective clothing; and leak detection and repair of integral tanks and bladder tanks/cells.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in aircraft fuel systems (3/85). Course concludes with a proctored examination.

AF-1704-0192

AEROSPACE GROUND EQUIPMENT TECHNICIAN BY CORRESPONDENCE
Course Number: 42173.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 6/75-Present.
Objectives: To advance the skills of the ground equipment technician in the area of aerospace ground equipment.
Instruction: This is a correspondence course and practical exercises in the operation and maintenance of aerospace ground equipment. Topics include maintenance policies, practices and procedures; electrical and electronic circuits and components, aircraft servicing equipment which includes generators, air compressors, air conditioning, heating, ventilation and hydraulic equipment.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in ground equipment repair (3/85). Course concludes with a proctored examination.

AF-1709-0001

PRECISION PHOTOGRAPHIC PROCESSING TECHNICIAN
(Precision Photographic Processing Control)
(Precision Photographic Processing Control Technician)
Course Number: AAR23470; OZR2335; OZR2334; AAR23271.
Location: Lowry Technical Training Center, Lowry AFB, CO.
Length: 13 weeks (390-402 hours).
Exhibit Dates: 7/62-5/68.
Objectives: To train enlisted personnel in precision photographic processing.
Instruction: Lectures and practical experience in statistics, photographic image evaluation, laboratory management, and the chemistry, kinetics, and mechanics of the photographic process.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester

BEST COPY AVAILABLE

hours in precision photographic processing laboratory (12/68).

AF-1709-0002

COMBAT STILL PHOTOGRAPHER, OPERATOR

Course Number: 2ASR23651-003.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 13 weeks (480 hours).
Exhibit Dates: 8/68–12/73.
Objectives: To train military personnel in the photographic skills necessary for handling a variety of cameras and photographic situations.
Instruction: Lectures and practical experience in the fundamentals of photography, photographic exposures, laboratory processing and printing, aerial film processing, and production processing and printing; journalistic applications to photography; and optics, light, color, filters, chemistry, and light techniques.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photography (12/73).

AF-1709-0004

STILL PHOTOJOURNALISM
(Still Photo Journalism)

Course Number: 3AZR23651.
Location: Lowry Technical Training Center, Lowry AFB, CO.
Length: 6 weeks (180 hours).
Exhibit Dates: 7/72–12/73.
Objectives: To train enlisted personnel to work as still photojournalists with information offices.
Instruction: Lectures and practical experiences in the journalistic process, including information acquisition techniques, elements of style, human relations, and legal and ethical aspects; camera and processing systems, including camera function, processing, composition, and practical exercises; a job-oriented workshop including picture story, personality feature, small groups, spot news, sports, and a final project.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photojournalism (12/73).

AF-1709-0005

AERIAL PHOTOGRAPHER

Course Number: AB23130.
Location: 3415th Technical Training Group, Lowry AFB, CO.
Length: *Version 1:* 19 weeks (570 hours). *Version 2:* 29 weeks (432 hours).
Exhibit Dates: *Version 1:* 12/54–12/68. *Version 2:* 3/54–11/54.
Objectives: To train enlisted personnel to install, inspect, and operate aircraft cameras and related equipment.
Instruction: Lectures and practical experiences in principles of electricity, AC and vacuum tubes, and circuits; oscilloscope; mechanics; fundamentals of photography; aerial photography; maintenance; reconnaissance photography; oblique photography; and color photography.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in aerial photography (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in aerial photography, 2 in electricity and electronics (12/68).

AF-1709-0006

PRECISION PHOTOGRAPHIC SERVICES OFFICER

Course Number: *Version 1:* 3OBR2331. *Version 2:* OBR2331.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 18 weeks (540 hours). *Version 2:* 21 weeks (630 hours).
Exhibit Dates: *Version 1:* 5/68–12/73. *Version 2:* 5/67–4/68.
Objectives: To train officers to supervise precision photographic services laboratories.
Instruction: Lectures and practical experience in statistics, photographic chemistry, laboratory functions, image reproduction and evaluation, precision photographic processing, and management of photographic installations.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in graphic arts (12/73). *Version 2:* In the upper-division baccalaureate category, 5 semester hours in precision photographic processing laboratory, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0010

1. STILL PHOTOGRAPHER
(Photographer)
2. STILL PHOTOGRAPHER

Course Number: *Version 1:* ABR23230. *Version 2:* AB23230; ABR23230.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 18 weeks (510 hours). *Version 2:* 14 weeks (390 hours).
Exhibit Dates: *Version 1:* 4/61–12/68. *Version 2:* 3/58–3/61.
Objectives: To train personnel to perform as photographers.
Instruction: Lectures and practical experiences in the operation and care of cameras and laboratory equipment, and in exposing and processing black and white and color film.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in photographic processing laboratory (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in photographic processing laboratory (12/68).

AF-1709-0011

FILM CUTTING SPECIALIST
(Sound and Picture Editing Specialist)

Course Number: AB23331.
Location: 3415th Technical Training Group, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 3/55–12/68.
Objectives: To provide trainees with the knowledge and skills necessary for editing silent and sound motion picture film.
Instruction: Fundamental editing procedures, including operation of 16mm projectors, splicing motion picture film, operation of the silent viewer (moviola), assembly of a motion picture work-print, the principles and techniques of matching action, matching original negatives, and establishing and re-establishing techniques; elementary editing techniques, including cut-ins and cut-aways, build-up and continuity, special effects, splicing 35mm film, use of 35mm viewer, editing 35mm film; editing techniques for sound film, including introduction to single and double system sound and the use of sound viewers, editing single and double system sound, matching sound and picture negative to work prints; advanced editing techniques, including music and sound effects, introduction to lip synchronization, and preparation of a complete motion picture film.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in film (12/73).

AF-1709-0013

PHOTOGRAMMETRIC-CARTOGRAPHIC TECHNICIAN
(Advanced Photogrammetric Cartographic)

Course Number: AAX22170.
Location: Aeronautical Chart and Information Center, St. Louis, MO.
Length: 9 weeks (301 hours).
Exhibit Dates: 7/64–12/68.
Objectives: To train enlisted personnel in cartographic techniques applied to photographic and physiographic techniques.
Instruction: Lectures and practical exercises in photogrammetric mathematics, projection, photogrammetric equipment and related functions, regional physiography, grids, geodesy, target material reliability determination and reconnaissance systems, and cameras.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photogrammetry (12/68).

AF-1709-0014

IMAGERY INTERPRETATION

Course Number: 3AZR20650-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 12 weeks (360 hours).
Exhibit Dates: 1/69–12/73.
Objectives: To train Marines in basic photographic interpretation techniques.
Instruction: Lectures and practical exercises in basic photographic interpretation, including introduction to intelligence, fundamentals of photo and imagery interpretation, photogrammetry, tactical photo interpretation, operational weapons systems, industries, strategic interpretation, multisensor theory and interpretation, and practical exercises.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photographic interpretation (7/74).

AF-1709-0015

IMAGERY INTERPRETER SPECIALIST

Course Number: 3ABR20630.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 15 weeks (450 hours).
Exhibit Dates: 7/70–12/73.
Objectives: To train airmen as imagery interpretation specialists.
Instruction: Lectures and practical exercises in imagery interpretation, including automatic data processing and basic coordinate systems as applied to intelligence, fundamentals of intelligence and air target materials program, photogrammetry, image interpretation fundamentals, tactical and strategic interpretation, basic radar, multisensor interpretation, intelligence data handling systems, mission planning and bombing, and multisensor reporting and radar prediction.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photographic interpretation, 1 in photogrammetry (7/74).

BEST COPY AVAILABLE

AF-1709-0016

NAVY SPECIALIZED IMAGERY INTERPRETATION

Course Number: 3OZR8041-2.
Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.
Length: 6–7 weeks (162–210 hours).
Exhibit Dates: 1/71–12/73.
Objectives: To train personnel as imagery interpretation officers.
Instruction: Lectures and practical exercises in Navy specialized imagery interpretation, including vertical and nonvertical photogrammetry, radar operational intelligence, multisensor intelligence, and imagery interpretation (military support subjects).
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photo interpretation (7/74).

AF-1709-0017

INTELLIGENCE PHOTO-RADAR OFFICER

Course Number: OTS8041-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 10 weeks (300 hours).
Exhibit Dates: 1/62–12/68.
Objectives: To train personnel in the fundamentals of photographic interpretation.
Instruction: Lectures and practical exercises in the fundamentals of photographic interpretation, including introduction to photo intelligence, photo metrics, aerospace weapons systems, surface transportation and reporting, and advanced aerospace photo intelligence.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photographic interpretation (12/68).

AF-1709-0018

STILL PHOTOGRAPHIC LABORATORY SPECIALIST

Course Number: 3ABR23334.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 16–20 weeks (480–570 hours).
Exhibit Dates: 5/68–12/73.
Objectives: To train enlisted personnel to perform as photographic laboratory technicians.
Instruction: Lectures and practical exercises in basic photographic laboratory techniques. Course includes film processing and printing; photocopying; chemistry and quality control; photo laboratory equipment; color slides and color printing; and the use of duplicating equipment.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in still photography (7/74).

AF-1709-0020

STILL PHOTOGRAPHIC CAMERA SPECIALIST

Course Number: 3ABR23631.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 17–18 weeks (460–540 hours).
Exhibit Dates: 6/68–12/73.
Objectives: To train enlisted personnel as still photographers.
Instruction: Lectures and practical exercises in camera operation, film processing, and printing, including lighting, color negative and slide photography, and the study of photojournalism (including pictorial composition, layouts, and photo stories).
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in photojournalism on the basis of institutional evaluation (7/74).

AF-1709-0021

INTELLIGENCE PHOTO-RADAR OFFICER

Course Number: OBR8041; OBR2041; OB2041; OB2041-1.
Location: 3750th Technical School, Sheppard AFB, TX; 3415th Technical School, Lowry AFB, CO.
Length: 31 weeks (930 hours).
Exhibit Dates: 6/54–12/68.
Objectives: To train officers in direct and indirect aerospace photographic intelligence.
Instruction: Lectures and practical exercises in interpretation, analysis, and evaluation of data from direct and indirect aerospace photographs, including photometrics, terrain analysis and land warfare; aerospace weapons systems, surface transporation, basic industries, fabrication and chemical industries and bomb damage interpretations, weapons employment planning; fundamentals of radar, radar reconnaissance, target prediction and simulation; and mission planning. Includes photographic intelligencereporting and fundamentals of navigation and area radar prediction analysis.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in photographic interpretation(12/68).

AF-1709-0022

1. PRECISION PHOTOPROCESSING SPECIALIST
2. PRECISION PHOTOPROCESSING SPECIALIST (Precision Photographic Processing Specialist)

Course Number: *All Versions:* 3ABR23430. *Version 2:* ABR23430.
Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 20 weeks (537–600 hours). *Version 2:* 23–25 weeks (660 hours).
Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 9/65–12/70.
Objectives: To train enlisted personnel to be photographic processing specialists.
Instruction: *All Versions:* Lectures and practical exercises in basic chemistry and photographic chemistry, optics and light concepts, advanced contact printing, continuous-film processors, chemical process control, sensitometry and sensitometric curve analysis, densitometers, basic statistical methods, chemical analysis and solution certification and correction, exposure effects and photosensitive material structure, aerial film handling, printer systems and control, and color processes. *Version 1:* Instruction emphasizes photographic chemistry. *Version 2:* Instruction emphasizes statistical methods, color processes, and cleanroom technology.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in precision photographic processing laboratory, and credit in elementary statistics on the basis of institutional evaluation(7/74). In the upper-division baccalaureate category, 5 semester hours in precision photographic processing, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0023

PRECISION PHOTOPROCESSING SPECIALIST (Precision Photographic Processing Specialist)

Course Number: 3ALR23430-1; ALR23430-1; ALR23231.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 9–11 weeks (270–330 hours).
Exhibit Dates: 7/62–12/73.
Objectives: To train enlisted personnel in precision photographic processing.
Instruction: Lectures and practical exercises in precision photographic processing, including logarithms, slide rule, sensitometry and densitometry, curve construction and evaluation, basic photographic chemistry, cleanroom principles, printers and Versamat operation, film cleaning and titling, photographic imagery evaluation, and multiduplication.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in precision photographic processing, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0024

PRECISION PHOTOGRAPHIC PROCESSING TECHNIQUES

Course Number: OZR2331.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 9 weeks (270 hours).
Exhibit Dates: 9/63–12/68.
Objectives: To train officers in photographic processing techniques.
Instruction: Lectures and practical exercises in photographic processing techniques, including sensitometric control principles and procedures, photographic chemistry principles, statistical and mathematical functions, precision equipment and evaluation procedures, and precision control techniques.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in precision photographic processing, and credit in elementary statistics on the basis of institutional evaluation (12/68).

AF-1709-0025

MOTION PICTURE LABORATORY SPECIALIST

Course Number: 3ABR23332.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 11–14 weeks (330–420 hours). *Version 2:* 17 weeks (480 hours).
Exhibit Dates: *Version 1:* 6/70–12/73. *Version 2:* 2/69–5/70.
Objectives: To provide training in basic motion picture laboratory fundamentals.
Instruction: *Version 1:* Lectures and practical exercises in basic motion-picture photography, sensitometry and densitometry, motion picture printing and processing, quality control and production techniques, and motion picture fundamentals. *Version 2:* Covers the same subjects as Version 1 in greater depth.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in motion picture photography (7/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in motion picture photography (7/74).

AF-1709-0026

STILL PHOTOGRAPHIC OFFICER

Course Number: OB2331.

BEST COPY AVAILABLE

Location: Air Training Command, Lowry AFB, CO.

Length: 15 weeks (450 hours).

Exhibit Dates: 10/54–12/56.

Objectives: To teach the duties of a unit photographic and laboratory commander and to qualify students to supervise activities of aerial photographers and laboratory technicians.

Instruction: Course includes training in elementary principles of photography, photographic copying, 4x5 camera operation, projection printing, laboratory procedures for aerial photography and field operations, basic aerial photography, advanced aerial photography, charting and mapping, and technical administration.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in photographic processing laboratory (12/68).

AF-1710-0001

PLUMBING SYSTEM MAINTENANCE (LGM-25)
(Plumber/Plumbing Supervisor (SM-68B))

Course Number: AZR55255Y; ATC56450-2; ATS56450-2.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 4–6 weeks (108–150 hours).

Exhibit Dates: 3/62–12/68.

Objectives: To train airmen to perform as plumbing specialists and supervisors in SM-68B missile facilities.

Instruction: Lectures and practical exercises in plumbing operations in SM-68B missile facilities, including weapon system familiarization, maintenance management, corrosion control; configuration operation, and maintenance of water supply equipment and water storage, domestic water, industrial water, and fire water systems; configuration and maintenance of the contaminated waste, sanitary waste, and drainage systems; water requirements and testing; and water pumping operations.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in environmental or nuclear plant technology (5/74).

AF-1710-0002

PLUMBING SPECIALIST
(Plumber)

Course Number: 3ABR55235; ABR55235; ABR56430Z; ABR56430; AB56430.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Warren AFB, WY; 3450th Technical School, Warren AFB, WY.

Length: 9–15 weeks (270–360 hours).

Exhibit Dates: 8/55–12/73.

Objectives: To train basic airmen to perform as apprentice plumbers.

Instruction: Lectures and practical exercises in the maintenance, installation, and repair of plumbing systems and equipment, including operation principles and configuration; construction maintenance and repair of main and building water supplies; vent and waste systems; various fixtures, faucets, and valves; use and maintenance of tools and supplies; and piping connections to hot water and steam heating equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in plumbing or water sanitation technology (5/74).

AF-1710-0007

PAVEMENTS MAINTENANCE SPECIALIST

Course Number: 3AZR55150; AZR55150.

Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Sheppard AFB, TX.

Length: 3 weeks (9–120 hours).

Exhibit Dates: 7/67–12/73.

Objectives: To train personnel to perform as pavement maintenance specialists.

Instruction: Lectures and practical exercises in the duties of pavement maintenance specialists, including publications, soil mechanics, base course construction, drainage, concrete mixtures, bituminous mixtures, herbicides, rigid and flexible pavement construction and maintenance, and preparation of subgrade for rigid and flexible pavements.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in construction of pavements (5/74).

AF-1712-0005

1. ELECTRICAL POWER PRODUCTION SPECIALIST
2. ELECTRICAL POWER PRODUCTION SPECIALIST
3. ELECTRICAL POWER PRODUCTION SPECIALIST
(Electrical Power Production Operator)
4. ELECTRICAL POWER PRODUCTION OPERATOR

Course Number: *Version 1:* 3ABR54330. *Version 2:* 3ABR54330; ABR54330. *Version 3:* ABR54330; ABR65730; ABR56730B. *Version 4:* AB56730.

Location: *Version 1:* 3750th Technical School, Sheppard AFB, TX. *Version 2:* 3750th Technical School, Sheppard AFB, TX. *Version 3:* 3750th Technical School, Sheppard AFB, TX. *Version 4:* 3450th Technical School, Warren AFB, WY.

Length: *Version 1:* 14–17 weeks (504–620 hours). *Version 2:* 18 weeks (510 hours). *Version 3:* 15–19 weeks (420–540 hours). *Version 4:* 8 weeks (240 hours).

Exhibit Dates: *Version 1:* 3/72–12/73. *Version 2:* 9/65–2/72. *Version 3:* 9/58–8/65. *Version 4:* 5/57–8/58.

Objectives: To train enlisted personnel in the operation, maintenance, and repair of engine-driven electrical generation systems.

Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of engine-driven generation systems, including engines and systems, operation, troubleshooting, and maintenance. *Version 1:* Topics include publications and engine fundamentals; engine systems and associated equipment; fundamental engine repair; power generation and circuit characteristics; generation equipment, controls, and wiring diagrams; operation and maintenance of mobile generator sets; generator set operation and maintenance; and generator set operation and aircraft arresting barriers. *Version 2:* Topics include publications and engine fundamentals; engine systems and associated equipment; fundamental engine repair; power generation and circuit characteristics; generation equipment, controls, and wiring diagrams; operation and maintenance of mobile generator sets; generator set operation and maintenance; and generator set operation and aircraft arresting barriers. *Version 3:* Topics include power production fundamentals; generation equipment and circuits; engine systems components; fundamental engine repair; engine overhaul and performance tests; preventive maintenance and generator set operation; specific generator sets operation and troubleshooting; principles of diesel engines and systems; electrical fundamentals; generation and warning systems; single-unit operation; synchronizing, paralleling, and troubleshooting multiple power units; and operating, inspecting, and troubleshooting specific power units. *Version 4:* Topics include operation and maintenance of diesel engines; electrical fundamentals and single-unit operation including operator maintenance; parallel operation and troubleshooting; single and parallel operation including troubleshooting of a specific diesel generator power plant; and operation and maintenance of a specific model.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electrical power systems maintenance on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electrical power system maintenance (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electrical power system maintenance on the basis of institutional evaluation (6/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in electrical power system maintenance on the basis of institutional evaluation (6/74).

AF-1714-0003

AIRCRAFT ELECTRICAL SYSTEMS SPECIALIST BY CORRESPONDENCE

Course Number: 42350.

Location: Extension Course Institute, Gunter AFB, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 8/83–Present.

Objectives: To teach enlisted personnel maintenance management and documentation and also the basic electrical theory necessary to maintain and repair aircraft electrical systems.

Instruction: This is a self study course presenting materials pertaining to maintenance management and documentation, test equipment and basic AC and DC electrical theory, and the aircraft control and warning system. Aircraft electrical systems that are discussed include landing gear and related systems, flight control systems, starter systems, fuel systems, aircraft warning systems, lighting systems, and nesa glass systems.

Credit Recommendation: In the vocational certificate category, 3 semester hours in basic electrical theory (3/85). Course concludes with a proctored examination.

AF-1714-0004

WEAPONS FUZING SYSTEMS SPECIALIST (ELECTRICAL)

Course Number: AB33130-B; AB33130-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (510–540 hours).

Exhibit Dates: 12/55–12/68.

Objectives: To train enlisted personnel to maintain and repair nuclear weapons fusing systems, components, and test equipment.

Instruction: Lectures and practical exercises in electronics fundamentals, including DC motors, generators, and meters; AC generation; inductive and capacitive reactance; series-parallel circuits; synchro systems; diode and triode tubes; rectifiers and filters; and transients in R-C networks.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in basic electricity, and credit in elec-

BEST COPY AVAILABLE

trical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0005

GUIDANCE SYSTEMS ANALYST (TM-76A)

Course Number: ABR31430G-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 25 weeks (660 hours).
Exhibit Dates: 12/59–12/68.
Objectives: To train enlisted personnel to maintain and repair TM-76A guidance systems.
Instruction: Lectures and practical exercises in basic electricity; electronics; flight controls, command guidance, and basic missile checkers; check-out and alignment; and guidance systems test set theory.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1714-0015

OUTSIDE WIRE AND ANTENNA MAINTENANCE REPAIRMAN
(Outside Wire and Antenna Systems Installation and Maintenance Specialist)
(Cable and Antenna Installation Specialist)

Course Number: 3ABR36130; ABR36130; AB36130.
Location: School of Applied Aerospace Sciences, Sheppard AFB, TX; 3750th Technical School, Warren AFB, WY.
Length: 13–18 weeks (360–564 hours).
Exhibit Dates: 3/55–12/73.
Objectives: To train enlisted personnel to maintain and repair outside wire and antenna systems.
Instruction: Lectures and practical exercises in outside-plant construction fundamentals; interpretation of technical orders; aerial cable support construction; buried and underground cable characteristics and installation; antenna support and tower assembly and erection; and construction and installation of doubler-type, rhombic, and discone antennas.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in civil technology (communications), wireman, power system lineman, or antenna systems specialist (5/74).

AF-1714-0023

APPRENTICE ELECTRICIAN BY CORRESPONDENCE

Course Number: 54230.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 4/81–Present.
Objectives: To provide knowledge of electrical fundamentals to enable the apprentice electrician to advance skills.
Instruction: Course includes installation and maintenance of interior electrical power distribution systems for lighting and motor controls. Electrical codes, troubleshooting, estimating , and distribution are also presented. Three-phase power systems, motor controls, and emergency power systems are covered. The course concludes with a proctored examination.
Credit Recommendation: In the vocational certificate category, 2 semester hours in basic electric fundamentals or in electrical wiring (3/85).

AF-1715-0001

1. BIOMEDICAL EQUIPMENT MAINTENANCE SPECIALIST (Medical Equipment Repairman)
2. MEDICAL EQUIPMENT REPAIRMAN
3. MEDICAL EQUIPMENT REPAIRMAN (Apprentice Medical Equipment Repairman)

Course Number: *Version 1:* 3ABR40330-2. *Version 2:* 3ABR40330-2. *Version 3:* ABR40330; AB40132.
Location: *Version 1:* School of Health Care Sciences, Sheppard AFB, TX; *Version 1:* Sheppard Technical Training Center, Sheppard AFB, TX. *Version 2:* Sheppard Technical Training School, Sheppard AFB, TX. *Version 3:* Medical Service School, Gunter AFB, AL; *Version 3:* School of Aviation Medicine, Gunter AFB, AL.
Length: *Version 1:* 36 weeks (1261–1284 hours). *Version 2:* 46 weeks (1360 hours). *Version 3:* 15–20 weeks (570–781 hours).
Exhibit Dates: *Version 1:* 6/71–12/73. *Version 2:* 9/69–5/71. *Version 3:* 6/57–8/69.
Objectives: To provide basic career training for biomedical maintenance personnel.
Instruction: Lectures on the principles of medical equipment systems; equipment inspection, installation, calibration, modification, troubleshooting, and repair; and administrative and managerial functions of medical maintenance and shop operation.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 30 semester hours in biomedical equipment technology, 3 in electronics (2/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity (12/68).

AF-1715-0002

FLIGHT FACILITIES EQUIPMENT BASIC O/I MAINTENANCE

Course Number: 2ASR30451-13.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 14 weeks (420 hours).
Exhibit Dates: 2/71–12/73.
Objectives: To train enlisted personnel in basic organizational and intermediate maintenance of flight facilities equipment.
Instruction: Lectures and practical exercises in electronic principles, special circuits, ground C-E maintenance management, technical publications, safety, and use of regular and specialized test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in flight facilities equipment basic O/I maintenance (3/74).

AF-1715-0004

F-111 FLIGHT CONTROL TEST STATION TECHNICIAN

Course Number: 3ALR32570-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 9 weeks (270 hours).
Exhibit Dates: 7/69–12/73.
Objectives: To train enlisted personnel to perform intermediate maintenance on the F-111 flight controls test station.
Instruction: Lectures and practical exercises in computer mathematics, data and signal flow analysis, computer equipment and keyboard operation, components circuit analysis, and test station operation.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in computerized testing equipment (3/74).

AF-1715-0006

BOMB NAVIGATION SYSTEMS MECHANIC (FB-111)

Course Number: 3ALR32130R.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 24 weeks (720 hours).
Exhibit Dates: 9/69–12/73.
Objectives: To train enlisted personnel to repair bomb navigation systems.
Instruction: Lectures and practical exercises in attack radar system theory, operation, and maintenance; optical display sight system operation and maintenance; digital computer complex, control and display set, and integrated system tie-ins operation; and bomb navigation system maintenance, operational checks, and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, 2 in electronics laboratory, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0016

ELECTRONIC COMPUTER REPAIRMAN (AN/FSA-21/412L)
(Electronic Digital Computer Repairman (AN/FSA-21/412L))

Course Number: ABR30533-3.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 14 weeks (420 hours).
Exhibit Dates: 3/64–12/68.
Objectives: To train enlisted personnel who have experience in basic electronics to maintain and repair digital computers.
Instruction: Practical experience in digital computer principles, troubleshooting techniques, test equipment, and hand skills.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity and electronics, and credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0018

ELECTRONIC DIGITAL DATA PROCESSING REPAIRMAN (AN/FST-2B)
(Electronic Digital Data Processing Equipment Repairman (Data Transmission))
(Electronic Digital Data Processing Equipment Repairman)

Course Number: ABR30531-4; ABR30531D; ABR30531.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 42–45 weeks (1170–1260 hours).
Exhibit Dates: 9/59–10/70.
Objectives: To train enlisted personnel to service and repair electronic computer systems and coordinate-data-transmitting equipment.
Instruction: Practical experience in maintenance and operation of data transmitting equipment, multiplexers, random access plan position indicators, electronic and data processing principles, digital computer techniques, and shop practices. Includes basic circuit analysis, testing and logic.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and additional credit in electronics laboratory on the basis of institutional evaluation (3/74).

BEST COPY AVAILABLE

AF-1715-0019

1. FLIGHT FACILITIES EQUIPMENT TECHNICIAN
2. FLIGHT FACILITIES EQUIPMENT MAINTENANCE TECHNICIAN

Course Number: AAR30471.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 38 weeks (1140 hours). *Version 2:* 32 weeks (960 hours).
Exhibit Dates: *Version 1:* 12/65–12/68. *Version 2:* 12/58–11/63.
Objectives: To train selected airmen in the operation, maintenance, and installation of flight facilities and associated equipment.
Instruction: Lectures and practical experience in advanced electronic principles of circuit analysis; troubleshooting techniques; maintenance, installation, testing, and alignment of flight facilities; flight and ground checking procedures; shop management; systems and files; supply procedures and catalogs; and personnel management.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in communications engineering (3/74), and credit in communications engineering on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0020

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN, AN/FPS-8, AN/FPS-4
(Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF)

Course Number: AB30332E.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 28–35 weeks (870–960 hours).
Exhibit Dates: 3/55–12/68.
Objectives: To train enlisted personnel to operate, align, tune, inspect, and repair aircraft control and warning radar equipment.
Instruction: Lectures and laboratories in AC and DC circuits, resistors, inductors, capacitors, transients, measuring instruments, motors and generators, oscilloscopes, power supplies, diodes and rectifiers, amplifiers, oscillators, special circuits, and radar microwave propagation.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in electrical engineering (3/74).

AF-1715-0022

AIRCRAFT INERTIAL AND RADAR NAVIGATION SYSTEMS REPAIRMAN (RF-4C SUPPLEMENT)

Course Number: 3AZR30154-I
Location: 3380th Technical School, Keesler AFB, MS.
Length: 13 weeks (390 hours).
Exhibit Dates: 6/68–12/73.
Objectives: To train enlisted personnel to install, inspect, maintain, and repair aircraft inertial and radar guidance systems.
Instruction: Lectures and practical exercises in aircraft inertial and radar guidance systems installation, inspection, maintenance, and repair, including aircraft guidance equipment operating principles, block-diagram and circuit analysis, electronic wave-shaping circuit analysis, and system maintenance and repair procedures. Emphasis is on electronic test equipment usage and equipment repair.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronic pulse and wave-shaping circuit analysis (3/74).

AF-1715-0023

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/CPS-6B AND AN/FPS-6)
(Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF))

Course Number: AB30332D.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 29–39 weeks (870–1080 hours).
Exhibit Dates: 11/54–12/68.
Objectives: To train enlisted personnel to perform elementary maintenance and repair on aircraft control and early warning radar equipment.
Instruction: Lectures in AC and DC circuits fundamentals; transients; measuring instruments; oscilloscopes; motors and generators; DC power supplies; diodes and rectifiers; resistors, inductors, and capacitors; amplifiers, oscillators, and detectors; superheterodyne receivers; frequency modulation and discriminators; microwave devices and frequency sources; r-f transmission lines; synchros and servomechanisms; and maintenance and repair of radar, PPI, and IFF hardware.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0025

AIRBORNE EARLY WARNING RADAR REPAIRMAN (AN/APS-20E)

Course Number: AB30132A.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 29 weeks (870 hours).
Exhibit Dates: 3/55–12/68.
Objectives: To provide enlisted personnel with in-depth training in installation, repair, and maintenance of airborne early warning radar systems.
Instruction: Lectures and practical experience in airborne early warning radar system installation, maintenance, and repair, including AC and DC circuit fundamentals; series resistive and parallel resistive circuits; principles of magnetism; capacitors and capacitive reactance; DC motors, generators, and measuring instruments; diodes, triodes, tetrodes, and pentodes; principles of amplification; video, tuned, and push-pull amplifiers; amplitude modulation and detection; and various troubleshooting techniques and equipment usage. Much of the material contained in this course has been outdated by recent advances in semiconductor devices; its transfer value is in DC and AC circuits, manual skills, and troubleshooting techniques.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0027

1. AVIONIC INERTIAL AND RADAR NAVIGATION SYSTEMS SPECIALIST
2. AIRCRAFT INERTIAL AND RADAR NAVIGATION SYSTEMS REPAIRMAN
3. AIRCRAFT INERTIAL AND RADAR NAVIGATION SYSTEMS REPAIRMAN

Course Number: *Version 1:* 3ABR32834. *Version 2:* 3ABR30134. *Version 3:* 3ABR30134; ABR30134.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 35 weeks (1050 hours). *Version 2:* 37–39 weeks (1110–1170 hours). *Version 3:* 40 weeks (1110 hours).
Exhibit Dates: *Version 1:* 3/72–12/73. *Version 2:* 4/70–2/72. *Version 3:* 2/65–3/70.
Objectives: To train airmen to operate, maintain, and repair avionic inertial and radar navigation equipment.
Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of avionic inertial and radar navigation equipment, including digital computer mathematics, logic, and symbology; analog computer circuit analyses; air navigation and general purpose computer principles and characteristics; and Doppler equipment. *Version 1:* Includes general purpose computer applications to airborne guidance equipment and integrated data systems, forward-looking/terrain-following systems, DC and AC, resonance, magnetism, motors, and synchros; diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators; AM, FM, and PM systems; binary and octal numbers; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; and electrical test equipment. *Version 2:* Includes forward-looking/terrain-following systems, DC and AC, resonance, magnetism, motors, and synchros; diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; and electrical test equipment. *Version 3:* Includes radar altimeters, gyroscope and accelerometer transducers in inertial guidance systems, inertial navigation systems with avionics tie-in, alignment of inertial navigation systems, synchros and feedback for stable platforms, and calibration and specialized maintenance procedures.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory and 3 in digital electronics (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in analog and digital computer fundamentals (3/74).

AF-1715-0028

PRECISION PHOTOGRAPHIC SYSTEMS REPAIRMAN

Course Number: 3ABR40430.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 19–20 weeks (570 hours).
Exhibit Dates: 5/68–12/73.
Objectives: To train airmen to repair precision photographic systems.
Instruction: Course includes photo principles, contact and projection printer systems, motion picture and finishing equipment, photo intelligence equipment, processing systems and quality control, and still camera systems. Students complete 8 weeks of Maintenance Electronics (3AQR40020) as part of this course.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in precision photoprocessing laboratory (11/77).

AF-1715-0029

AIRBORNE EARLY WARNING RADAR REPAIRMAN (AN/APS-45)

Course Number: AB30132B.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 27 weeks (810 hours).
Exhibit Dates: 3/55–12/68.
Objectives: To train enlisted personnel to perform elementary maintenance and repair on early warning radar equipment.
Instruction: Lectures and practical exercises in AC and DC circuits, batteries, resistors, inductors, capacitors, measuring instruments, motors and generators, and transformers; oscilloscopes; oscillators and modulators; rectifier power supplies; microwave devices; high-frequency sources and transmission lines; and maintenance and repair of equipment, including height-finder radars, ground-position indicators, and repeater radars.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in electrical engineering (3/74).

AF-1715-0030

ELECTRONIC COMPUTER PRINCIPLES, FYQ-47 PREPARATORY (RADAR PRINCIPLES)

Course Number: 3AQR30520-3.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.
Length: 20–21 weeks (600–618 hours).
Exhibit Dates: 11/71–12/73.
Objectives: To provide enlisted personnel with an introduction to radar principles as a prerequisite for radar equipment servicing courses.
Instruction: Lectures and practical exercises in basic AC, DC, and RLC circuit principles; solid-state amplifiers, power supplies, and applications in wave generation; electron tube principles and applications; computer logic and components; maintenance management; and computer and radar principles and their application to specific equipment maintenance.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in technical subjects (3/74).

AF-1715-0032

1. PRECISION MEASURING EQUIPMENT SPECIALIST
2. PRECISION MEASURING EQUIPMENT SPECIALIST
3. PRECISION MEASURING EQUIPMENT SPECIALIST
4. PRECISION MEASURING EQUIPMENT SPECIALIST
5. PRECISION MEASURING EQUIPMENT TECHNICIAN
6. PRECISION MEASURING EQUIPMENT TECHNICIAN

Course Number: *Version 1:* 3ABR32430-2. *Version 2:* 3ABR32430. *Version 3:* ALR32430. *Version 4:* ALR32430. *Version 5:* ALR32470. *Version 6:* ALR32470.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 32 weeks (900 hours). *Version 2:* 45–46 weeks (1290 hours). *Version 3:* 35 weeks (1050 hours). *Version 4:* 28 weeks (840 hours). *Version 5:* 18 weeks (540 hours). *Version 6:* 16 weeks (480 hours).
Exhibit Dates: *Version 1:* 5/73–12/73. *Version 2:* 6/68–4/73. *Version 3:* 1/63–5/68. *Version 4:* 1/62–12/62. *Version 5:* 12/59–12/61. *Version 6:* 3/59–11/59.
Objectives: To train enlisted personnel in the installation, check-out, and maintenance of sophisticated electronic systems.
Instruction: *All Versions:* Lectures and practical exercises in trigonometry, complex algebra, electronic fundamentals, electronic circuits, signal generation, low- and high-frequency measurements, microwaves, precision measurements. *Version 5:* Low-level fundamentals, with extensive measurement and calibration practices on electronic and frequency-measuring equipment. *Version 6:* Low-level fundamentals, with extensive measurement and calibration practice on electronic and frequency-measuring equipment.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical or electronics laboratory, 3 in microwaves (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, 3 in electricity or electronics laboratory, 3 in microwaves, 2 in engineering measurement (3/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, 3 in electricity or electronics laboratory, 3 in microwaves, 2 in engineering measurement (3/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics laboratory, 3 in microwaves, 2 in engineering measurement (3/74). *Version 5:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics laboratory, 1 in microwaves, 1 in engineering measurement (3/74). *Version 6:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics laboratory, 1 in engineering measurement (3/74).

AF-1715-0033

PRECISION MEASURING EQUIPMENT SPECIALIST (ELECTRONICS)

Course Number: 3ABR32430-1; ALR32430-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 16–20 weeks (510–600 hours).
Exhibit Dates: 3/64–12/73.
Objectives: To train enlisted personnel to make precision measurements using electrical and electronic instrumentation.
Instruction: Lectures and practical exercises in DC and AC measurements, waveform analysis, and frequency and microwave measurement.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics laboratory, 3 in microwaves (3/74).

AF-1715-0037

GUIDANCE CONTROL OFFICER (COMPUTER)(SM-68)

Course Number: OTC3044-5.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 7 weeks (210 hours).
Exhibit Dates: 2/61–12/68.
Objectives: To train officers to operate and maintain WS-107A-2 guidance computers.
Instruction: Lectures and practical exercises in number systems, Boolean algebra, programming techniques, and equipment applicable to the WS-107A-2 guidance computer.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital computers (3/74).

AF-1715-0039

SINGLE SIDEBAND SYSTEM MAINTENANCE

Course Number: AZR30473.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 16 weeks (480 hours).
Exhibit Dates: 9/60–12/68.
Objectives: To train enlisted personnel to operate and maintain single-sideband communications systems.
Instruction: Lectures and laboratories in electronic principles and circuit analysis, troubleshooting and maintenance techniques, and testing, alignment, and repair of single-sideband transmitting and receiving equipment.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour as an elective in communications engineering, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0040

GUNLAYING SYSTEM MECHANIC, B-47

Course Number: AB32330C.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26 weeks (780 hours).
Exhibit Dates: 8/54–12/68.
Objectives: To train enlisted personnel to isolate unit malfunctions and to perform organizational and field maintenance on turret assemblies, including gunlaying radar.
Instruction: Lectures and laboratories in fundamentals of DC and AC circuits, vacuum and gas-filled tubes, power supplies, voltage regulators, amplifiers, oscillators, oscilloscopes, and radar system components and circuits.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0041

GUNLAYING SYSTEM MECHANIC, B-36

Course Number: AB32330B.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 28 weeks (840 hours).
Exhibit Dates: 8/54–12/68.
Objectives: To train enlisted personnel to isolate unit malfunctions and to perform organizational and field maintenance on turret system assemblies, including gunlaying radar.
Instruction: Lectures and laboratories in fundamentals of DC and AC circuits, vacuum and gas-filled tubes, power supplies, voltage regulators, amplifiers, oscillators, oscilloscopes, and radar system components and circuits.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0042

BEST COPY AVAILABLE

SOLID STATE DEVICES AND DIGITAL TECHNIQUES

Course Number: 3AZR30070-003.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 5 weeks (152 hours).
Exhibit Dates: 7/73–12/73.
Objectives: To train enlisted personnel in the principles of solid-state devices and digital techniques.
Instruction: Lectures and practical exercises in solid-state devices, parameters, integrated circuits, numbering systems, logic functions and circuits, counters, registers and A-D converters.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital systems (3/74).

AF-1715-0044

SOLID STATE DEVICES AND DIGITAL TECHNIQUES

Course Number: 3AZR30070-001.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 2–3 weeks (78 hours).
Exhibit Dates: 7/73–12/73.
Objectives: To train enlisted personnel in digital techniques.
Instruction: Lectures and practical exercises in numbering systems, logic functions and circuits, counters, registers, and A-D converters.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital systems (3/74).

AF-1715-0048

TELEPHONE EQUIPMENT INSTALLER-REPAIRMAN

Course Number: 3ABR36234; ABR36234.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 19–20 weeks (540–600 hours).
Exhibit Dates: 1/66–6/73.
Objectives: To train enlisted personnel to install, repair, and maintain telephone equipment.
Instruction: Lectures and practical exercises in fundamentals of AC and DC, AC motors and synchros, basic transistor theory, power supplies and regulators, and relays and stepping switches.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics (3/74).

AF-1715-0057

ELECTRONIC COMPUTER REPAIRMAN (DPC/465L)

Course Number: ABR30533-8.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 41 weeks (1140 hours).
Exhibit Dates: 1/65–8/68.
Objectives: To train enlisted personnel to be electronic computer systems repairmen.
Instruction: Lectures and practical exercises in electronic computer systems repair, including electronic and data processing principles, malfunction analysis, maintenance concepts, data processing central computer equipment maintenance, component malfunction isolation and repair. Instruction includes 465L computer system equipment, digital techniques, circuit logic, and aerospace ground equipment component malfunction isolation and repair.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

BEST COPY AVAILABLE

AF-1715-0058

ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (FSQ-7/SAGE)
(Electronic Computer Repairman (SAGE AN/FSQ-7))
(Electric Digital Computer Repairman (SAGE AN/FSQ-7))

Course Number: 3ABR30534A-1; 3ABR30533A-1; ABR30533-1.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.; 3380th Technical School, Keesler AFB, MS.
Length: 32–47 weeks (960–1320 hours).
Exhibit Dates: 3/64–12/73.
Objectives: To provide airmen with the knowledge of computer logic, organization, and internal programming necessary to perform maintenance and repair on the SAGE FSQ-7 electronic computer.
Instruction: Lectures and practical exercises in SAGE FSQ-7 computer system fundamentals, including logic symbology and index, alphanumeric codes, registers, internal instructions and programs, instruction/command decoding, computer alarms and manual control, memories, cores and drums, digital display generators, output control and storage, peripheral input/output devices, and computer systems maintenance procedures. Additional instruction in electronic fundamentals for digital data processing equipment repairmen, including DC electrostatic principles through series-parallel circuits; AC principles through series-parallel resonant circuits; motors; saturable reactors; magnetic amplifiers; servos, synchros, and servo amplifiers; fundamentals of tubes and transistors; rectifiers; filters; time constants; power supplies; voltage regulators; soldering techniques; triodes; tetrodes; pentodes; transistors; special-purpose tubes; amplifiers and oscillators, including blocking oscillators, passive and active limiters, clampers, and amplifier circuits; synchroscope; transients; shock-excited Hartley, Astabel, oneshot, and bistabe multivibrators; thyratron, sawtooth, trapezoidal, and transistor sweep circuits; computer circuits and computing techniques; binary, ocatal, and binary excess-three codes; computer history; AN-OR gates, matrices, Boolean algebra, logic generators, and associated circuits; special-purpose amplifiers and gating circuits; counters, count detection, decoders, encoders, registers; conversion circuits, memory circuits and storage device principles; input/output devices; and coding principles.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer science (3/74).

AF-1715-0059

ELECTRONIC COMPUTER REPAIRMAN (DISPLAY EQUIPMENT/412L)
(Electronic Digital Computer Repairman (Display Equipment/412L))

Course Number: ABR30533-5.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 15 weeks (450 hours).
Exhibit Dates: 3/64–12/68.
Objectives: To train enlisted personnel to inspect and maintain display equipment associated with 412L air weapons control system.
Instruction: Lectures and laboratories in electronic digital data computer principles, AWCS 412L familiarization, application and operation of test equipment, maintenance management, circuit analysis, and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours as an elective in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0060

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)

Course Number: AB30332-F.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 37 weeks (1020 hours).
Exhibit Dates: 3/58–12/68.
Objectives: To train enlisted personnel to operate, tune, align, inspect, and maintain aircraft control and warning radar equipment and associated quantizing and video combining equipment.
Instruction: Lectures and laboratories in DC and AC circuit analysis, magnetism, vacuum tube and solid-state devices, transmitter and receiver principles, equipment maintenance, and troubleshooting.
Credit Recommendation: In the upper-division baccalaureate category, 3 smeester hours in electricity and electronics (3/74).

AF-1715-0061

ELECTRONIC ANALOG DATA PROCESSING EQUIPMENT REPAIRMAN

Course Number: ABR30532.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 35 weeks (960 hours).
Exhibit Dates: 9/59–12/68.
Objectives: To train enlisted personnel to operate, inspect, and maintain radar systems and related test equipment.
Instruction: Lectures and laboratories in AC and DC circuits, circuit analysis, electron tubes and power supplies, and troubleshooting procedures. Much of the course material is obsolete, dealing primarily with vacuum tubes and their applications; however, some credit should be given in the areas of basic circuits, laboratories, hand skills, circuit analysis, and troubleshooting.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in electronics (3/74).

AF-1715-0062

AN/FYQ-45 AND AN/FYA-38 MAINTENANCE

Course Number: 2ASR30573-4.
Location: 3380th Technical School Keesler AFB, MS.
Length: 10 weeks (312 hours).
Exhibit Dates: 2/69–12/73.
Objectives: To train enlisted personnel to maintain operations control consoles and computer interface buffers used with the Air Force integrated command and control system.
Instruction: Lectures and practical exercises in introduction to computer programming, central processors, static and dynamic displays, input/output equipment, system maintenance, and troubleshooting.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as a technical elective in computer subjects (3/74).

AF-1715-0064

1. AIRCRAFT CONTROL AND WARNING RADAR TECHNICIAN
2. AIRCRAFT CONTROL AND WARNING RADAR MAINTENANCE TECHNICIAN
3. AIRCRAFT CONTROL AND WARNING RADAR MAINTENANCE TECHNICIAN

Course Number: *Version 1:* AAR30372. *Version 2:* AAR30372. *Version 3:* AA30372.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 34 weeks (1020 hours). *Version 3:* 19 weeks (570 hours).
Exhibit Dates: *Version 1:* 2/64–12/68. *Version 2:* 7/59–1/64. *Version 3:* 10/55–6/59.
Objectives: To provide enlisted personnel with elementary theory and test procedures to enable them to repair and maintain aircraft control and warning radar equipment.
Instruction: *All Versions:* Lectures and practical experience in aircraft control and warning radar manuals and facilities, power supply regulation and distribution, trigger generation, transmitters, oscillators and amplifiers at radar frequencies, microwave plumbing, antenna design and control, system alignment, anti-jamming devices, MTI receivers, interference elimination, PPI systems and alignment procedures, range-height indicator systems, countermeasure monitors and receivers, IFF systems. *Version 2:* Includes additional circuit analysis, transformer ratings and performance, power supplies, rectifiers, filters, regulators, vacuum tube characteristics, timing circuits, integrator and differentistor circuits, pulse-forming networks, r-f transmission lines, matching stubs, duplexers, servos and resolvers, radar test sets, synchroscopes, troubleshooting, shop manuals, supervision, planning, and alignment. *Version 3:* Includes additional laboratory-type testing, calibration and measurement procedures on radar transmitter and receiver apparatus, frequency, bandwidth, spectral distribution, noise levels, shop management and supervision.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68), 3 as an elective in electronics (3/74). *Version 2:* UP 3 semester hours in business organization and management (12/68), 3 as an elective in electronics (3/73). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in business organization and management (12/68), 2 as an elective in electronics (3/74).

AF-1715-0065

1. AIRCRAFT RADIO REPAIRMAN
2. AIRCRAFT RADIO REPAIRMAN (COMMUNICATIONS)
3. AIRCRAFT RADIO REPAIRMAN (GENERAL)
4. AIRCRAFT RADIO REPAIRMAN (GENERAL)

Course Number: *Version 1:* 3ABR30130; ABR30130. *Version 2:* ABR30130B. *Version 3:* AB30130B. *Version 4:* AB30130B-2.
Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3310th Technical School, Scott AFB, IL. *Version 4:* 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 29–30 weeks (840–870 hours). *Version 2:* 33 weeks (900 hours). *Version 3:* 26 weeks (780 hours). *Version 4:* 28 weeks (840 hours).
Exhibit Dates: *Version 1:* 8/59–12/73. *Version 2:* 8/58–7/59. *Version 3:* 2/56–7/58. *Version 4:* 8/55–1/56.
Objectives: To train enlisted personnel to operate, tune, align, maintain, and repair airborne communications equipment and related test equipment.
Instruction: *All Versions:* Lectures and practical experience in airborne communications equipment and related test equipment operation, maintenance, and repair including power supplies operation principles and troubleshooting procedures; the frequency spectrum; resonance; magnetism principles; transformers and vacuum tubes operation; operation and maintenance of video and push-pull amplifiers, oscillators, AM modulators, superheterodyne receivers, and transmission lines and antennas; familiarization with volts, ohms, and milliammeters; use of oscilloscopes; and soldering techniques. Emphasis is on aircraft navigational equipment alignment, calibration, troubleshooting, and repair. *Version 1:* Instruction includes principles of solid-state devices, FM modulation, discriminators, and signal sideband. *Version 3:* Instruction includes minimal theoretical material and emphasizes aircraft radio system maintenance, troubleshooting, and repair. *Version 4:* Instruction includes principles of FM modulation, discriminators, pulse modulation, and principles of motors.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 4:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0066

AIRCRAFT RADIO REPAIRMAN (COMMAND)

Course Number: AB30130A-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 25 weeks (750 hours).
Exhibit Dates: 8/55–12/68.
Objectives: To train enlisted personnel to operate, tune, align, maintain, and repair airborne command communications equipment and related test equipment.
Instruction: Lectures and practical experience in principles of electricity and magnetism; alternating current; vacuum tubes, power supplies, and voltage regulators; amplifiers and oscillators; modulation, detection, and receiver kit construction; special circuits; transmission, generation, and propagation of microwave and high-frequency energy and synchros; and practical applications of electricity fundamentals to communications equipment.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hours in electrical laboratory (3/74).

AF-1715-0067

1. AIRCRAFT RADIO MAINTENANCE TECHNICIAN
2. AIRCRAFT RADIO MAINTENANCE TECHNICIAN
3. AIRBORNE RADIO MAINTENANCE TECHNICIAN

Course Number: *Version 1:* AAR30170. *Version 2:* AA30170X. *Version 3:* AA30170.
Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3380th Technical School Keesler AFB, MS. *Version 3:* 3310th Technical School, Scott AFB, IL.
Length: *Version 1:* 33–39 weeks (990–1170 hours). *Version 2:* 19–23 weeks (570–690 hours). *Version 3:* 19–23 weeks (570–690 hours).
Exhibit Dates: *Version 1:* 8/59–12/68. *Version 2:* 1/54–7/59. *Version 3:* 1/54–7/59.
Objectives: To provide technicians with advanced training in aircraft communications equipment circuit theory, maintenance principles, and procedures.
Instruction: *All Versions:* Lectures and practical experience in aircraft communications equipment circuit theory, maintenance principles, and procedures. *Version 1:* Includes review of algebra, Boolean algebra, trigonometry, and logarithms; review of AC and DC circuits, including magnetic circuits, transformers, motors, and servo systems; vacuum tube and semiconductor theory and application to power supplies, regulators, amplifiers, limiting and peaking circuits, multivibrators and basic logic circuits; DC, audio, video, RF, and IF amplifiers analysis; wave-guide properties; transmission lines and antennas familiarization; klystron and magnetron operation principles; and AM, FM, and SSB systems operation principles. *Version 2:* Instruction emphasizes maintenance, troubleshooting, and repair of specific transmitters and receiving equipment, and includes functional system operation and test equipment use. *Version 3:* Instruction emphasizes maintenance, troubleshooting, and repair of specific transmitters and receiving equipment, and includes functional system operation and test equipment use.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, 3 in maintenance management, and, on the basis of institutional evaluation, credit in electrical laboratory (3/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0069

AIRCRAFT RADIO REPAIRMAN (NAVIGATIONAL)
(Aircraft Radio Repairman)

Course Number: ABR30130C; AB30130C; AB30130-1.
Location: 3380th Technical School, Keesler AFB, MS.; 3310th Technical School, Scott AFB, IL.
Length: 29–33 weeks (840–969 hours).
Exhibit Dates: 12/54–12/68.
Objectives: To train enlisted personnel to test, troubleshoot, and maintain airborne navigational equipment.
Instruction: *All Versions:* Lectures and practical experience in navigational equipment maintenance, testing, and troubleshooting, including schematic diagrams familiarization; AC nomenclature; series and parallel DC circuits and motors; principles of magnetism, resonance, and time constants; transformers and vacuum tubes; power supplies operation and troubleshooting; audio and video amplifiers; oscillators; AM and FM modulation; superheterodyne receivers and wave-shaping circuits; familiarization with volts, ohms, and milliammeters; and soldering techniques. Emphasis

BEST COPY AVAILABLE

is on alignment, calibration, and repair of aircraft navigational equipment.After 1958, the instruction included familiarization with semiconductor devices.From 1955 until 1958, the instruction emphasized aircraft navigational equipment alignment, calibration, and repair, with little time devoted to basic theoretical material.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0072

AN/MRC-107A, I/O Maintenance

Course Number: 3AZR30454-8.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 6 weeks (224 hours).

Exhibit Dates: 4/73–12/73.

Objectives: To train enlisted personnel with basic electronics backgrounds to operate, maintain, and inspect the AN/MRC-107 radio transceiver.

Instruction: Lectures and practical demonstrations in AN/MRC-107 radio transceiver operation, inspection, and maintenance, including schematic diagram use in explaining circuit operation, problem theorizing, and troubleshooting methods; balanced modulator, frequency divider, power amplifier control, and sidetone circuits operation; measurement of frequency stability, frequency response, distortion, and noise level; and use of signal generator, RF watt meters, oscilloscopes, audio oscillator, output power meter, multimeter, frequency counter, frequency meter, wide band amplifier, VHF signal generator, sweep frequency generator, dummy load, RF simulator, and spectrum analyzer. Instruction includes semiconductor theory and techniques, and use of latest equipment.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics for non-engineering majors (3/74).

AF-1715-0079

Radio Relay Equipment Repairman (FPTS)

(Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A))

(Ground Communications Equipment Repairman(Heavy)(FPTS))

Course Number: AZR30450; AZR30453-1

Location: 3380th Technical School, Keesler AFB, MS.

Length: 4–7 weeks (120–210 hours).

Exhibit Dates: 9/60–12/68.

Objectives: To train radio equipment repairmen to operate, maintain, and repair forward propagation tropospheric scatter equipment.

Instruction: Lectures and practical exercises in forward propagation tropospheric scatter equipment operation, alignment, adjustment, maintenance, performance checks, and troubleshooting via meter readings, wave shapes and block. wiring, and schematic diagrams; telephone, telegraph, and auxiliary terminal equipment operation; scatter communications concepts and techniques; and radio system transmitter exciter, power amplifier, power supply, and receiver circuits operation, maintenance, and repair.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (3/74).

AF-1715-0085

Radio Relay Equipment Repairman (Microwave and Associated Relay Center Equipment)

(Radio Relay Equipment Repairman (Microwave))

Course Number: ABR30430A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 32–36 weeks (870–990 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train enlisted personnel to install, test, maintain, and repair microwave, multiplexing, and radio relay equipment.

Instruction: Lectures and practical exercises in trigonometry, DC and AC circuit analysis, electronic fundamentals, power supplies, amplifiers, oscillators, microwave propagation, multiplexing and microwave radio relay equipment, motor and servo mechanisms. Motor and servo mechanisms; semiconductor devices and circuits are also covered.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0088

Ground Radio Communications Equipment Technician

Course Number: AAR30474.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 39 weeks (1170 hours).

Exhibit Dates: 12/63–12/68.

Objectives: To train enlisted personnel to install, maintain, and repair communications equipment.

Instruction: Lectures and laboratories in applied mathematics; AC and DC circuits; vacuum tubes and solid-state devices; power supplies; oscillators; digital data processing; and analysis, maintenance, and repair of various functional electrical circuits.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics (3/74), 2 in shop management (12/68), and additional credit in electrical and radio laboratory on the basis of institutional evaluation (3/74).

AF-1715-0102

Automatic Teletype and Electronic Switching Systems Repairman

(Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype))

Course Number: ABR362322; ABR30630A.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 35–36 weeks (960-990 hours).

Exhibit Dates: 9/60–12/68.

Objectives: To train enlisted personnel to perform corrective and preventive maintenance and repair on automatic teletype and electronic switching systems and equipment.

Instruction: Lectures and practical exercises in principles of electricity, including AC and DC circuits, motors, and rectifiers; vacuum tube circuits; amplifiers; basic pulse techniques; teletype system principles; and central office switching techniques.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0103

Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)

(Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF))

Course Number: ABR30332-2; AB30332C-1; AB30332C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 29–35 weeks (840–960 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train enlisted personnel in the operation, tuning, alignment, inspection, organizational maintenance, and repair of aircraft control and warning radar equipment.

Instruction: Lectures and practical exercises in aircraft control and warning radar equipment operation, inspection, maintenance, and repair, including AC and DC circuit theory, electron tubes and power supplies; amplifiers and oscillators; transistors; special circuits, including clippers, clampers, and multivibrators; radar microwave propagation; and special radar circuits and units.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0104

Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)

Course Number: AB30332A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 28 weeks (840 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train enlisted personnel in aircraft control and warning radar system operation, tuning, alignment, and organizational maintenance.

Instruction: Lectures and practical exercises in aircraft control and warning radar system operation, tuning, alignment, and organizational maintenance, including AC and DC circuit theory; electron tubes and power supplies; amplifiers and oscillators; transistors; special circuits, including clippers, clampers, and multivibrators; radar microwave propagation; and special radar circuits and units.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics (3/74).

AF-1715-0105

Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)

Course Number: ABR30332-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 30 weeks (840 hours).

Exhibit Dates: 5/59–12/68.

Objectives: To train enlisted personnel in the operation, tuning, alignment, inspection, organizational maintenance, and repair of aircraft control and warning radar equipment.

Instruction: Lectures and practical exercises in radar equipment operation, inspection, maintenance, and repair, including AC and DC circuit theory; electron tubes and power supplies; amplifiers and oscillators; transistors; special circuits, including clip-

BEST COPY AVAILABLE

pers, clampers, and multivibrators; radar microwave propagation; and special radar circuits and units.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0107

RADIO RELAY EQUIPMENT REPAIRMAN (RELAY CENTER EQUIPMENT)

Course Number: ABR30430D.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 28 weeks (750 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train enlisted personnel at the apprentice level to install, maintain, and repair relay center equipment.

Instruction: Lectures and laboratories in basic DC and AC circuit theory, including Ohm's and Kirchoff's laws, RC and RL transients, and resonant circuits; power supplies; amplifiers; oscillators; special circuits; and special ground communications equipment.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0108

BALLISTIC MISSILE CHECKOUT EQUIPMENT SPECIALIST, WS-133B

Course Number: ABR31235G-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 44 weeks (1230 hours).

Exhibit Dates: 4/65–12/68.

Objectives: To train enlisted personnel to maintain and repair ballistic missile test equipment.

Instruction: Lectures and laboratories in DC and AC circuits, vacuum tubes and transistors, and computer theory and technology.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0109

ELECTRONIC DIGITAL DATA PROCESSING REPAIRMAN (INPUT-OUTPUT/465L CONCENTRATOR)

Course Number: ABR30531-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 37 weeks (1020 hours).

Exhibit Dates: 1/63–12/68.

Objectives: To train enlisted personnel to maintain and repair electronic digital data processing equipment.

Instruction: Lectures and laboratories in DC and AC circuits; vacuum tubes and solid-state devices; electronic circuits, motors, and servos; pulse and timing circuits; Boolean algebra and logic gates; and computer circuits.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, 2 in digital electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0110

ELECTRONIC DIGITAL DATA PROCESSING REPAIRMAN (DATA PROCESSING EQUIPMENT/412L)

Course Number: *Version 1:* 3AZR30551-2. *Version 2:* ABR30531-5.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 20 weeks (588 hours). *Version 2:* 42–43 weeks (1170–1200 hours).

Exhibit Dates: *Version 1:* 8/68–12/73. *Version 2:* 7/63–7/68.

Objectives: To train enlisted personnel to inspect and maintain data processing equipment associated with 412L air weapons systems.

Instruction: Lectures and laboratories in DC and AC circuits; vacuum tubes and solid-state devices; electronic circuits, motors, and servos; pulse and timing circuits; Boolean algebra and logic gates; and computer circuits.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electronics, 2 in digital systems, and, on the basis of institutional evaluation, credit in electrical laboratory (3/74).

AF-1715-0111

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN, AN/FST-2

Course Number: ABR30332G; AB30332G.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 37–39 weeks (1020–1080 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train enlisted personnel to install, check out, and maintain aircraft control and warning radar equipment.

Instruction: Lectures and laboratories in AC and DC circuits, electronic circuit fundamentals, basic digital computer theory and circuits, microwave techniques, and measurements.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics (3/74).

AF-1715-0115

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/FPS-20 AND AN/FPS-6)

Course Number: AB30332C-2.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 39 weeks (1080 hours).

Exhibit Dates: 3/58–12/68.

Objectives: To train airmen to operate, tune, align, inspect, maintain, and repair AN/FPS-20 and AN/FPS-6 aircraft control and warning radar equipment.

Instruction: Lectures and practical experience in aircraft control and warning radar equipment operation, tuning, alignment, inspection, maintenance, and repair, including AC and DC circuit theory, electron tubes and power supplies, amplifiers and oscillators, transistors, radar microwave propagation, special circuits and units, and clippers, clampers, and multivibrators.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics (3/74).

AF-1715-0116

COMMUNICATIONS/NAVIGATIONS TECHNICIAN BY CORRESPONDENCE

Course Number: 32870.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 8/83–Present.

Objectives: To present avionics supervision and management concepts and fundamentals for upgrading technical personnel into supervisory positions.

Instruction: The course presents avionics supervision and management, inspections, and maintenance systems. Also presented are specific Air Force publications and Air Force supply procedures including maintenance management.

Credit Recommendation: Credit is not recommended because of the limited, specialized nature of the course (3/85).

AF-1715-0118

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN (AN/TPS-1D, AN/TPS-10D)
(Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF))

Course Number: ABR303321-1; AB30332B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 28–34 weeks (810–930 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair aircraft control and warning radar equipment.

Instruction: Lectures and laboratories in development and application of electronic principles, circuit theory, circuit testing, shop practices, performance logs, maintenance records, and system maintenance. Credit should be granted for circuit theory and analysis courses only.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0119

DIGITAL SUBSCRIBER TERMINAL MAINTENANCE

Course Number: 3ALR30630F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 19 weeks (570 hours).

Exhibit Dates: 10/70–12/73.

Objectives: To train enlisted personnel to maintain electronic communications and cryptographic systems equipment.

Instruction: Lectures and practical exercises in logic circuits, operational analysis, troubleshooting, repair, and adjustment of digital subscriber terminal equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in computers or data processing equipment (3/74).

AF-1715-0121

GROUND ECM SPECIALIST

Course Number: ABR30330; AB30330.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 29–33 weeks (840–900 hours).

Exhibit Dates: 6/56–12/68.

Objectives: To train enlisted personnel to operate and maintain ground electronic countermeasures receivers, panoramic adaptors, pulse analyzers, direction finders, cam-

BEST COPY AVAILABLE

eras, recorders, and associated test equipment.

Instruction: Lectures and laboratories in development and application of electronic principles, circuit theory, circuit testing, shop practices, performance logs and maintenance records, simulated ground ECM operations, and electronic analysis of intercepted signals.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0129

WEAPONS FUSING SYSTEM SPECIALIST

Course Number: ABR33130.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 43 weeks (1200 hours). *Version 2:* 41 weeks (1080 hours).

Exhibit Dates: *Version 1:* 3/60–12/68. *Version 2:* 3/59–2/60.

Objectives: To train enlisted personnel to perform as nuclear weapons fusing specialists.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals, including DC circuits, motors, and generators; series circuits, parallel circuits, and series-parallel combinations; magnetism; induction, inductive reactance, and capacitive reactance; vacuum tubes; diode, triode, tetrode, and pentode; various amplifier systems; oscillators; synchros and servomechanisms; bridge circuits, RLC combination circuits, counting and heterodyning circuits; and mathematics fundamentals. *Version 1:* Instruction includes transmission lines, microwave oscillators, transistor amplifiers and oscillators, FM principles, and semiconductor fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0132

COMMUNICATIONS AND RELAY CENTER EQUIPMENT REPAIRMAN, ELECTROMECHANICAL

Course Number: *Version 1:* 3ABR36330. *Version 2:* 3ABR36330; ABR36330.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 31–33 weeks (930–990 hours). *Version 2:* 33–34 weeks (930 hours).

Exhibit Dates: *Version 1:* 5/71–12/73. *Version 2:* 6/66–4/71.

Objectives: To train enlisted personnel in communication and information relay center teletype unit troubleshooting, maintenance, and repair.

Instruction: *All Versions:* Lectures and practical experience in teletype unit troubleshooting, maintenance, and repair, including AC and DC circuit fundamentals, series-parallel and RLC circuits, and voltage regulators. *Version 1:* Instruction includes solid-state physics and devices, rectifiers and filters, principles of amplification, power amplifiers, oscillators and multivibrators, number systems, truth tables, Boolean equations, counters and resistors, and AC and DC motors and generators. *Version 2:* Instruction includes solid-state physics and devices, rectifiers and filters, principles of amplification, power amplifiers, oscillators and multivibrators, number systems, truth tables, Boolean equations, counters and resistors, and AC and DC motors and generators.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics(3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and additional credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0133

GUIDED MISSILE OPERATIONS OFFICER (TM-76A)

Course Number: OBR1821-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 20 weeks (600 hours).

Exhibit Dates: 12/60–12/68.

Objectives: To train officers in guided missile operations.

Instruction: Lectures on air armament management; TM-76A weapons, propulsion, and flight control systems; missile preflight test pack; launch area operations; nuclear weapons orientation; principles of electronics; AC and DC fundamentals; and electronic power supplies.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0137

MISSILE GUIDANCE AND CONTROL SPECIALIST (LGM-25)

Course Number: 3ABR31631F; ABR31631F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 29 weeks (840 hours).

Exhibit Dates: 11/66–8/71.

Objectives: To train enlisted personnel to perform as missile guidance and control specialists.

Instruction: Lectures and practical exercises in AC and DC circuits fundamentals; solid-state devices, including transistors, amplifiers, and power supplies; vacuum tubes, including amplifier principles, voltage regulators, tools, and soldering techniques; signal generation, timing, and control; logic symbols, circuits, and applications, and digital techniques and computer hardware.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity, and additional credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0138

DEFENSIVE SYSTEMS TRAINER SPECIALIST AN/GPQ-T6

Course Number: 3ABR34231A; ABR34231A.

Location: 3886th Technical School, Keesler AFB, MS.

Length: 42–46 weeks (1110–1200 hours).

Exhibit Dates: 11/66–12/73.

Objectives: To provide enlisted personnel with training in basic electronics.

Instruction: Lectures and laboratory in AC and DC circuits, solid-state devices, vacuum tubes, oscillators, transmitter and receiver fundamentals, microwave principles, and electrical motors and servomechanisms.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electricity or electronics, and additional credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0149

WEAPONS FUSING SYSTEMS SPECIALIST (ELECTRONIC)

Course Number: AB33130-A; AB33130-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26–30 weeks (750–810 hours).

Exhibit Dates: 11/55–12/68.

Objectives: To train enlisted personnel to inspect, assemble, test, maintain, and repair nuclear weapons fusing systems, components, and related test equipment.

Instruction: Lectures in applied mathematics, including monomials, binomials, linear equations, power-of-ten notation, addition, subtraction, and multiplication of fractions, and use of slide rule; electricity fundamentals, including resistors, AC, DC, and bridge circuits; series, parallel, and series-parallel combination circuits; series-parallel RLC circuits, resonance, and Q factor; AC circuits fundamentals, including frequency, amplitude, and phase; DC motors and generators; inductive and capacitive reactance; magnetism; color code; volt-ohm-ampere meters; transformer fundamentals; maximum power transfer; vacuum tube devices; diodes, triodes, tetrodes, and pentodes; rectifiers and filters; basic concepts of tube amplification: gas-filled tubes and voltage regulators; oscillators and blocking circuits; amplitude modulation and AM detection circuits; frequency modulation, discriminators, and power amplifiers; magnetic amplifiers; RC and RL transient circuits; multivibrators, counters and limiters; transmission line concepts; magnetron and klystron microwave oscillators, waveguides, antennas, and pulse modulation; receiver circuits and heterodyne; practical experience in fusing system components and associated test equipment preventive maintenance; checking, calibration, and installation of electrical components; use of radar test equipment; and transformer, servomechanisms, vacuum tubes, and tube amplifiers operation, maintenance, and repair.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and additional credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0150

SPECIAL WEAPONS MAINTENANCE TECHNICIAN

Course Number: AB99025A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 25 weeks (660 hours).

Exhibit Dates: 8/57–12/68.

Objectives: To train enlisted personnel to operate, inspect, maintain, and correct malfunctions on special electronic instruments.

Instruction: Lectures and practical exercises in electrical fundamentals, including AC and DC circuits, resonance, RLC time constant circuits, vacuum and special-purpose tubes, amplifiers and oscillators, and oscilloscopes operation and use; nuclear physics fundamentals; and operation and use of elementary electronic counters.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and

BEST COPY AVAILABLE

credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0151

SPECIAL WEAPONS MAINTENANCE TECHNICIAN

Course Number: *Version 1:* ABR99125FL. *Version 2:* AB99025FL.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 31 weeks (840 hours). *Version 2:* 14 weeks (390 hours).
Exhibit Dates: *Version 1:* 5/59-12/68. *Version 2:* 8/57-4/59.
Objectives: To train enlisted personnel to operate and maintain special electronic instruments.
Instruction: *All Versions:* Lectures and practical exercises in electronic fundamentals, AC and DC circuits; RLC circuits; resonance; filter circuits; Universal Time Constant curve use; time constants; vacuum tubes; diodes, triodes, tetrodes, and pentodes; transistor fundamentals; amplifier principles; and oscilloscope operation and use. *Version 1:* Instruction includes audio, DC, pulse, tuned, push-pull, and negative feedback amplifiers; oscillators, multivibrators, and pulse-generating circuits: and basic concepts communications systems and electromagnetic waves. *Version 2:* Instruction includes basic concepts of nuclear physics and atomic energy, and allied electronic detecting and measuring apparatus.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in atomic physics, 2 in electricity or electronics, and, on the basis of institutional evaluation, credit in electrical laboratory (3/74).

AF-1715-0152

SPECIAL WEAPONS MAINTENANCE TECHNICIAN

Course Number: ABR99125Q.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 39 weeks (1090 hours).
Exhibit Dates: 3/61-12/68.
Objectives: To train airmen to inspect, test, and repair electronic circuits and maintain special weapons systems.
Instruction: Lectures and practical exercises in special weapons systems maintenance and electrical fundamentals, including AC and DC circuits; RL, RC, and RLC circuits including resonance and filters; basic meter movements; oscilloscope use and operation; vacuum and gas tube theory; amplifiers, including DC, audio, pulse, tuned, and push-pull; oscillator principles; semiconductor theory; equivalent circuits; and systems analysis.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0162

TACTICAL MISSILE CONTROL MECHANIC (TM-76A/B)
(Control Systems Mechanic (TM-76A/B))

Course Number: ABR31432; ABR31230G.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26-30 weeks (690-810 hours).
Exhibit Dates: 6/61-12/68.
Objectives: To train enlisted personnel to be ballistic missile system mechanics.
Instruction: Lectures and practical exercises in electronic principles, circuit theory, and testing; gyro principles; technical publications; flight control systems theory, operation, check-out, and troubleshooting, and operation, use, and inspection of control system test consoles and ground support equipment.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics (3/74).

AF-1715-0163

NUCLEAR MEASUREMENT TECHNICIAN

Course Number: AB33231.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 23-26 weeks (660-690 hours).
Exhibit Dates: 4/55-12/68.
Objectives: To train enlisted personnel to operate, analyze, maintain, and inspect special laboratory instruments used in nuclear technology.
Instruction: Lectures and laboratory in basic electronics, including AC and DC circuits, magnetism, vacuum tubes, amplifiers, oscillators, transient analysis and wave shaping, multivibrators and pulse circuits, semiconductors introduction, and oscilloscopes; mathematics, including simultaneous linear equations, logs, and radicals; nuclear physics, including wave motion, atomic structure, periodic tables, mass-energy, binding energy curve, nuclear forces, electromagnetic radiation, alpha, beta, and gamma radiation, decay, emission, and absorption, isotopes chart and unknown isotopes determination; neutrons and neutron reactions, including fission, binding energy, critical energy, chain reactions, A-bomb, nuclear reactor, critical mass, decay curves of radioactive isotopes; ionization of gases; electroscope type instruments, including ion chambers, pulse amplifiers, proportional, geiger-mueller, flow, wrap-around, and scintillation counters; photodosimetry; explosion phenomena and burst characteristics; protection, shielding, decontamination, and medical safety; and technical procedures, including error reduction and error counting, plateau plotting and resolving time, and scaling circuits and devices.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electrical laboratory (3/74).

AF-1715-0164

ELECTRICAL ENGINEERING

Course Number: None.
Location: Air Force Institute of Technology, Wright-Patterson AFB, OH.
Length: 4 weeks (240 hours).
Exhibit Dates: 4/73-6/74.
Objectives: To provide electrical engineers with advanced training in electrical power systems design.
Instruction: Lectures in one- and three-phase circuits; power-factor corrections; voltage regulations; load flow, fault calculations, and grounding methods; various fuses, circuit breakers, and relays; transformer characteristics; lighting methods; operation and applications of various AC and DC motors; systems design; utility management and planning, and national electric code regulations and practices.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in electronics (3/74); in the upper-division baccalaureate category, 3 semester hours in electronics (3/74).

AF-1715-0166

MISSILE ELECTRONIC EQUIPMENT SPECIALIST (LGM-25)

Course Number: *All Versions:* 3ABR31632F. *Version 2:* ABR31632F.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: *Version 1:* 31-33 weeks (930-966 hours). *Version 2:* 36 weeks (990 hours).
Exhibit Dates: *Version 1:* 7/72-12/73. *Version 2:* 10/66-6/72.
Objectives: To train enlisted personnel to perform duties as missile electronic equipment specialists.
Instruction: Lectures and laboratories in basic electricity, including AC and DC circuits, motors, and synchro mechanics; solid-state amplifiers and power supplies; soldering and test equipment; solid-state application in wave generation; digital techniques; weapon system familiarization; launch complex systems and equipment; missile electrical system; and systems maintenance.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electronics and electronics laboratory (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0167

NUCLEAR TECHNICIAN

Course Number: AB33230.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 22-27 weeks (690-840 hours).
Exhibit Dates: 11/55-12/68.
Objectives: To train enlisted personnel to perform as nuclear technicians.
Instruction: Lectures and laboratories in AC and DC fundamentals; vacuum tubes and power supplies; amplifiers and oscillators; ionization detectors and scalers; servomechanisms, test equipment, and electronic construction techniques; bomb physics; radiation detection and radiological safety and salvage; nuclear components; and nuclear laboratory and laboratory instrument usage. No instruction in transistors.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0168

ADVANCED ELECTRICAL-ELECTRONICS MEASUREMENTS

Course Number: 3AZR32470-5.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 6 weeks (180 hours).
Exhibit Dates: 10/67-12/73.
Objectives: To train Air Force, Navy, and Marine Corps personnel as advanced precision measuring equipment specialists.
Instruction: Lectures and laboratories in principles of meterology; operation, application, and mathematical analysis of measurement methods; and calibration of electrical-electronic standards and measuring equipment.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

BEST COPY AVAILABLE

AF-1715-0169

1. ATOMIC ENERGY, PHASE I (ELECTRICAL)
2. ATOMIC ENERGY, PHASE I

Course Number: *Version 1:* AB33130A. *Version 2:* AB33130.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 18 weeks (540 hours).

Exhibit Dates: *Version 1:* 11/54–12/68. *Version 2:* 9/54–10/54.

Objectives: To provide enlisted personnel with training in electrical fundamentals.

Instruction: *All Versions:* Lectures and laboratories in analysis of electrical and electronic circuits, including DC and AC circuits, magnetism, vacuum tubes, power supplies, voltage regulators, amplifiers, oscillators, and modulation and demodulation. Emphasis is on testing and operating. *Version 2:* Includes receivers, special circuits, transmission lines, microwave energy, synchros, and radar fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in basic electronics (3/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electricity or electronics (3/74).

AF-1715-0174

1. ELECTRONIC COMMUNICATIONS AND CRYPTOGRAPHIC EQUIPMENT SYSTEMS REPAIRMAN
2. ELECTRONIC COMMUNICATIONS AND CRYPTOGRAPHIC EQUIPMENT SYSTEMS REPAIRMAN
3. ELECTRONIC COMMUNICATIONS AND CRYPTOGRAPHIC EQUIPMENT SYSTEMS REPAIRMAN
4. ELECTRONIC COMMUNICATIONS AND CRYPTOGRAPHIC SYSTEMS EQUIPMENT REPAIRMAN (CIPHONY) (ENCRYPTED TEL DATA FAX)

Course Number: *Version 1:* 3ABR30630. *Version 2:* 3ABR30630. *Version 3:* ABR30630. *Version 4:* ABR30630B; ABR30630C.

Location: 3275th Technical School, Lackland AFB, TX.

Length: *Version 1:* 38 weeks (1113 hours). *Version 2:* 40 weeks (1197 hours). *Version 3:* 20 weeks (600 hours). *Version 4:* 35–41 weeks (300–360 hours).

Exhibit Dates: *Version 1:* 3/72–12/73. *Version 2:* 1/71–2/72. *Version 3:* 11/65–12/70. *Version 4:* 2/62–10/65.

Objectives: To train enlisted personnel to install, operate, maintain, and repair cryptographic equipment.

Instruction: Lectures and practical exercises in basic electronics: series, parallel, series-parallel resistive circuits; reactive, inductive, and capacitive circuits; vacuum tubes and solid-state devices principles; coupling and logic circuits; power supplies; oscillators; pulse and multiplex systems; and specialized training in various specific cryptographic equipment maintenance and repair.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours as an elective in electricity or electronics for non-engineering majors (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0180

CONTROLS SYSTEM ANALYST (TM-76A)

Course Number: ABR31431G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 19 weeks (540 hours).

Exhibit Dates: 12/59–12/68.

Objectives: To train airmen to perform as apprentice controls systems analysts.

Instruction: Lectures and practical exercises in elementary control systems analysis, including electronic fundamentals (power supplies, amplifiers, linear systems, microwaves, vacuum tubes, antennas), guided missile fundamentals, flight controls and command guidance theory and check-out test sets, and basic missile checker components and operation.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electronic systems (3/74).

AF-1715-0181

ADVANCED MICROWAVE MEASUREMENT AND CALIBRATION

Course Number: 3AZR32470-12.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 6 weeks (240 hours).

Exhibit Dates: 5/73–12/73.

Objectives: To train enlisted personnel to maintain and calibrate advanced microwave measurement equipment.

Instruction: Lectures and practical exercises in the maintenance of advanced microwave measuring equipment, including principles of meteorology; application and mathematical analysis of measurement methods; calibration techniques of microwave measuring, calibration standards, and measurement theory and instrumentation as applied to transmission lines and waveguides; microwave tubes; noise; microwave power; impedance and VSWR.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in microwave measurement (3/74).

AF-1715-0198

SPECIALIZED COMMUNICATIONS AND ELECTRONICS (C & E) TRAINING

Course Number: ATS30472-3.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 16 weeks (480 hours).

Exhibit Dates: 4/62–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair specific electronic equipment.

Instruction: Lectures and practical exercises in electronics principles; AC and DC circuits; transmitters and receivers; transistors and their applications; and television, telephone systems, and direction-finding equipment operation, maintenance, and repair.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electricity or electronics (3/74).

AF-1715-0201

FIRE CONTROL SYSTEMS MECHANIC (E-9 SERIES)

Course Number: AB32230E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 42 weeks (1170 hours).

Exhibit Dates: 7/56–12/68.

Objectives: To train enlisted personnel to maintain and repair the E-9 fire control system.

Instruction: Lectures and practical exercises in the maintenance of the E-9 fire control system, including malfunction analysis, component familiarization, alignment and adjustments, electricity and electronics fundamentals, and analysis of special circuits. Electronics not presented in depth.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0203

F-111 COMPUTER/PROGRAMMER TEST STATIONS TECHNICIAN

Course Number: ALR30174.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 25–28 weeks (750–840 hours).

Exhibit Dates: 6/66–12/68.

Objectives: To train enlisted personnel to operate, test, and maintain computer test station equipment.

Instruction: Lectures and practical exercises in computer test station equipment operation, testing and maintenance, including circuit analysis of systems; computer mathematics, logic, and circuits; navigation, flight control, and optical system gyro and accelerometer systems; and automatic test equipment operation and maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in computer electronics, and additional credit in computer electronics on the basis of institutional evaluation (3/74).

AF-1715-0204

FIRE CONTROL SYSTEMS MECHANIC (AN/ASG-14 SYSTEM)

Course Number: AB32230M.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26 weeks (690 hours).

Exhibit Dates: 2/58–5/59.

Objectives: To train enlisted personnel to maintain, repair, and isolate malfunctions in the AN/ASG-14 fire control system.

Instruction: Lectures and practical exercises in AN/ASG-14 maintenance and repair, including electricity symbols, units, and meters; AC and DC circuit fundamentals; oscilloscopes; series-parallel and RLC circuits; vacuum and gas-filled tubes; multigrid devices; rectifiers, filters, and regulators; amplifiers, oscillators, sweep generators, and multivibrators; transistors and specialized circuits; radar and RF transmission principles; MA-10 radar unit transmitter, receiver, and electronic countermeasures, optical and infrared operation; and field exercises in aircraft.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0208

WIDEBAND COMMUNICATIONS EQUIPMENT SPECIALIST BY CORRESPONDENCE

Course Number: 30450.

BEST COPY AVAILABLE

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 12/82–Present.

Objectives: To upgrade the technical skill level of communications technicians in analog and digital data communications and in wideband radio transmission methods and equipment maintenance.

Instruction: The course provides an introduction to analog and digital signals and systems for data communications, continuous and sampled-data waveform characteristics, modulation and multiplexing methods with hardware implementations, including theory and practice. Microwave principles, propagation, wideband communications systems including noise, and performance measuremen; are included.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in introduction to communications systems (3/85). Proctored examination concludes course.

AF-1715-0210

INTEGRATED AVIONICS SYSTEM SPECIALIST (INERTIAL/BOMB NAVIGATION, FIRE WEAPON CONTROL, DIGITAL COMPUTERS, AIRBORNE PHOTOGRAPHIC SYSTEMS, AND MULTI-SENSOR DISPLAYS)

(Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Displays))

Course Number: 3ABR32632A.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO.

Length: 18 weeks (540 hours).

Exhibit Dates: 7/72–12/73.

Objectives: To train enlisted personnel as integrated avionic systems specialists.

Instruction: Lectures and laboratories in electronic principles, including schematic symbols, resistance, ohmmeter, Ohm's law, power law, series-parallel circuits, generation of AC, oscilloscope operation, electromagnetism and relays, reactance and reactive circuits, DC and AC motors, semiconductor theory, diodes, transistors, rectifier circuits, filters, power supplies, Zener diodes, basic amplifiers, video amplifiers, servo control systems, oscillators, limiters, clampers, multivibrators, Schmitt triggers, digital mathematics, logic circuits and Boolean algebra, and operations and maintenance of navigation sets, optical display sight sets, control display sets, digital computer complex, attack radar systems, terrain-following radar, and navigational radar sets.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0212

1. BOMB NAVIGATION SYSTEMS TECHNICIAN (MA-6A, 7A RADAR AND ICE)

(Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect))

2. BOMB NAVIGATION SYSTEMS TECHNICIAN (K, MA-6A, MA-7A RADAR AND INTERCONNECT)

(Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects))

3. K-SERIES RADAR AND INTERCONNECTION EQUIPMENT TECHNICIAN

Course Number: *Version 1:* AAR32170C. *Version 2:* AAR32170C, AA32170C. *Version 3:* AA32171EC.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 27 weeks (810 hours). *Version 3:* 26 weeks (780 hours).

Exhibit Dates: *Version 1:* 7/60–12/68. *Version 2:* 4/57–7/60. *Version 3:* 1/55–3/57.

Objectives: To train enlisted personnel to maintain radar and interconnection equipment.

Instruction: *Version 1:* Lectures and laboratories in DC and AC circuits, with introduction to transformers and machines; vacuum tubes, including rectifiers, HF amplifiers, regulators, doublers, cathode followers, clamping circuits, sweep generators, oscillators, and multivibrators; receiver principles; microwave (radar) principles; oscilloscope construction and use; radar and interconnect (ICE) data flow; circuit tracing; and power supplies and distribution; APS-64 transmitter, receiver, video, sweep, range, and azimuth channels; and maintenance procedures. *Version 2:* Lectures and laboratories in system data flow; radar and interconnection equipment circuit analysis; basic AC and DC circuit analysis; vacuum tubes, including rectifiers, regulators, doublers, amplifiers, clamping circuits, oscillators, sweep generators, and multivibrators; principles of radar; radar and interconnect (ICE) data flow; circuit tracing; and power supplies and distribution; APS-64 transmitter, receiver, video, sweep, and azimuth channels; and maintenance procedures. *Version 3:* Lectures and laboratories in DC and AC circuits, with introduction to transformers and machines; vacuum tubes, including rectifiers, HF amplifiers, regulators, doublers, cathode followers, clamping circuits, sweep generators, oscillators, and multivibrators; receiver principles; microwave (radar) principles; oscilloscope construction and use; radar and interconnect (ICE) data flow; circuit tracing; and power supplies and distribution; APS-64 transmitter, receiver, video, sweep, range, and azimuth channels; and maintenance procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0216

GUNNERY TRAINER SPECIALIST

Course Number: ABR34430-T.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 26 weeks (750 hours).

Exhibit Dates: 6/67–12/68.

Objectives: To train enlisted personnel to operate and maintain specific radar equipment.

Instruction: Lectures and practical exercises in AN/APG-T1A radar equipment operation and maintenance, including electronic principles, radar principles, and operation and maintenance of specific radar sets. Instruction includes development of target position voltages; development of target and interference; relay section and scoring devices operation and maintenance; and OA-474 simulator group maintenance, alignment, and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0225

BOMB NAVIGATION SYSTEMS TECHNICIAN (MA-6A, MA-7A COMPUTER)

(Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics))

(Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer))

(Bomb Navigation Systems Technician (K-Series Computer))

(K-Series Computer Technician)

Course Number: AA32170ED, AA32171ED.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 21–32 weeks (720–960 hours).

Exhibit Dates: 4/55–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair specific bomb navigation computer and stabilization and optics units.

Instruction: Lectures and practical exercises in AC and DC circuits, tube and amplifier principles, technical publications, bomb navigation data flow, stabilization system servo loops, synchros and gyros, tracking computer maintenance, polar converter maintenance, bomb release computer, navigation control, ballistic control, optical systems, alignment, maintenance, bench checks, and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0227

GROUND RADIO COMMUNICATIONS SPECIALIST BY CORRESPONDENCE

Course Number: 30854.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 3/81–Present.

Objectives: To upgrade the technical skills of communications technicians in electronic devices and circuits, antennas, communications systems, and maintenance techniques.

Instruction: This program provides an introduction to electronics fundamentals, devices, and circuits for both linear and digital applications including electronic measurements. Also covered are a description of communications circuits, modulation and demodulation methods, and radio transmission systems. The course also includes mobile radio communications, AM, FM, SSB, antenna theory, and propagation. Final proctored examination is required.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in introduction to communications systems (3/85).

AF-1715-0230

1. GROUND COMMUNICATIONS EQUIPMENT TECHNICIAN (LIGHT) (Ground Communications Equipment Maintenance Technician (Light))
2. GROUND COMMUNICATIONS EQUIPMENT MAINTENANCE TECHNICIAL (LIGHT)

Course Number: AAR30472.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 31 weeks (940 hours). *Version 2:* 34 weeks (1020 hours).
Exhibit Dates: *Version 1:* 4/60–12/68. *Version 2:* 8/59–3/60.
Objectives: To train enlisted personnel to operate, maintain, and install low-powered ground communication equipment.
Instruction: Lectures and practical exercises in the installation, operation, and maintenance of low-powered ground communication equipment, including basic AC and DC circuits, electronic principles, advanced maintenance principles, HF and radioteletype systems, UHF communications systems, TV systems, data processing principles, and descriptive analysis of communication principles. Coverage of communication component and signal-processing blocks is more descriptive than analytical.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (4/74).

AF-1715-0239

GROUND COMMUNICATIONS EQUIPMENT MAINTENANCE TECHNICIAN (HEAVY)

Course Number: AAR30473.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 31–42 weeks (930–1260 hours).
Exhibit Dates: 7/59–12/68.
Objectives: To provide enlisted personnel with advanced training in heavy radio communications equipment operation and maintenance.
Instruction: Lectures and practical exercises in radio communications equipment operation and maintenance, including basic electronic principles and concepts, electronic communications problem solving, publications, advanced equipment maintenance, diversity systems, scatter communications, shop practices, advanced electronic circuits, test equipment operation and maintenance, radio teletype equipment, systems repair, shop management, and SSB, receiving, and heavy transmitting equipment testing and repair.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (3/74).

AF-1715-0253

FLIGHT FACILITIES EQUIPMENT REPAIRMAN (RANGES AND BEACONS)

Course Number: AB30431A.
Location: 3310th Technical School, Scott AFB, IL.
Length: 16–17 weeks (480 hours).
Exhibit Dates: 7/55–2/58.
Objectives: To train enlisted personnel to operate and maintain specific radio equipment.
Instruction: Lectures and practical exercises in basic electronics, including AC and DC circuits, vacuum tubes, electronic circuits, radio systems principles, and specific radio equipment components, operation, and maintenance techniques.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity and electronics for non-electronics majors (6/74).

AF-1715-0256

BOMB NAVIGATION SYSTEM MECHANIC (MA-6A, MA-7A SYSTEMS) TELEVISED

Course Number: ABR32130E (TV).
Location: 3415th Technical School, Lowry AFB, CO.
Length: 27 weeks (720 hours).
Exhibit Dates: 12/59–12/68.
Objectives: To train enlisted personnel to be bomb navigation system mechanics.
Instruction: Televised lectures and practical exercises in MA-6A and MA-7A bomb navigation systems mechanics, including AC and DC circuit principles, vacuum tubes and amplification, radar and servo systems, system radar and ICE theory and operational adjustments, after-installation checks and adjustments, and malfunction analysis.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in industrial technology (3/74).

AF-1715-0258

FIRE CONTROL SYSTEMS MECHANIC, MG-10 RADAR

Course Number: AB32230G.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 55 weeks (1650 hours).
Exhibit Dates: 7/56–12/68.
Objectives: To train enlisted personnel to analyze and maintain MG-10 fire control systems.
Instruction: Lectures and practical exercises in MG-10 fire control systems maintenance and repair, including electrical theory, basic electronics, block-diagram analysis, signal flow, automatic flight control and data link, power generation and distribution, maintenance procedures, and field exercises.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in industrial technology for non-engineering majors (4/74).

AF-1715-0260

COMMUNICATIONS-ELECTRONICS ENGINEER

Course Number: 3OBR3051-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 26 weeks (768 hours).
Exhibit Dates: 3/71–12/73.
Objectives: To train officers to perform as communications-electronics engineers.
Instruction: Lectures and practical exercises in communications-electronics systems, including the development and management of test and evaluation programs; C-E systems survivability and serviceability; the inspection, survey, and engineering of complex C-E systems and facilities; communications of electronics career field; communications of electronics management; planning and programming, management analysis, and engineering principles.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in industrial technology, or as a technical elective in engineering (3/74).

AF-1715-0261

F-111 RADAR AND CONTROL TEST STATIONS TECHNICIAN

Course Number: ALR32271.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26–27 weeks (780–810 hours).
Exhibit Dates: 6/66–12/68.
Objectives: To train enlisted personnel to analyze, troubleshoot, and repair specific radar and test equipment.
Instruction: Lectures and practical exercises in radar test equipment analysis, troubleshooting, and repair, including terrain-following radar and attack radar systems, video test station maintenance, digital logic circuitry, and intensive study of radar block-diagram analysis and signal flow.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory for non-electronics majors (3/74).

AF-1715-0266

ELECTRONIC DIGITAL DATA PROCESSING EQUIPMENT MAINTENANCE TECHNICIAN (AN/FSQ-7 SYSTEMS TECHNICIAN)

Course Number: ATS30571-34.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 15 weeks (600 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train selected AN/FSQ-7 maintenance specialists for duty as systems technicians.
Instruction: Lectures and practical exercises in the principles and applications of the AN/FSQ-7 computer, including the memory and control devices, line printer, card reader, card recorder, tape system, and other input-output devices.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in data processing—computer operation (12/68).

AF-1715-0267

BOMB NAVIGATION SYSTEMS MECHANIC (MA-6A AND MA-7A SYSTEMS)

Course Number: ABR32130E.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 24–37 weeks (720–1028 hours).
Exhibit Dates: 10/58–12/68.
Objectives: To train enlisted personnel to be apprentice bomb navigation system mechanics.
Instruction: Lectures and practical exercises in AC and DC circuits, RLC circuits, reactance, impedance, vacuum tubes and solid-state devices, amplifiers, oscillators, radar circuit analysis, microwave operation, multivibrators, sweep and logic circuits, mathematics (below calculus level), and bomb navigation system maintenance.
Credit Recommendation: and credit in electrical laboratory on the basis of institutional evaluation (3/74). In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0268

BOMB NAVIGATION SYSTEMS MECHANIC (K-5 SERIES)

Course Number: AB32130J.
Location: 3415th Technical School, Lowry AFB, CO.

Length: 37 weeks (1020 hours).
Exhibit Dates: 4/56–12/68.
Objectives: To train enlisted personnel to operate, align, adjust, and maintain K-5 bomb navigation systems and test equipment.
Instruction: Lectures and practical experience in K-5 bomb navigation systems alignment, adjustment, operation, and maintenance, including AC and DC circuit fundamentals, vacuum tubes and power supply circuits, amplifier and oscillator principles, servo systems, radar transmitting and receiving, computer tracking and sighting, mathematics (below calculus level), optics, and organizational maintenance and associated equipment.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0272

WEAPONS CONTROL SYSTEMS MECHANIC (MG-3, MG-10, MG-13 COMPUTER CONTROLS)

Course Number: ABR32231H.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 50 weeks (1482 hours).
Exhibit Dates: 1/58–12/68.
Objectives: To train enlisted personnel to operate and maintain MG-3, MG-10, and MG-13 weapons control systems.
Instruction: Lectures and practical exercises in MG-3, MG-10, and MG-13 weapons control systems maintenance and operation, including AC and DC circuit fundamentals, vacuum tubes, electronic circuits, power supplies, oscillators, sweep generators, radar principles, servomechanisms, and special devices associated with weapons control systems computer controls.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0274

NAVIGATION AND BOMBING TRAINER SPECIALIST (AN/APQ-T3)

Course Number: AB34330B.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 29 weeks (840 hours).
Exhibit Dates: 4/56–12/68.
Objectives: To train enlisted personnel to install, operate, maintain, and repair navigation and bombing trainers and associated electronic test equipment.
Instruction: Lectures and laboratories in DC and AC circuit analysis, vacuum tube principles, amplifiers and oscillators, radar circuitry, and preventive maintenance and operation of navigation and bombing trainers.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, and 1 in electronics laboratory for non-electrical engineering majors (2/74).

AF-1715-0282

AIRCRAFT EARLY WARNING RADAR MAINTENANCE TECHNICIAN

Course Number: AAR30172.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 38 weeks (1140 hours).
Exhibit Dates: 9/59–12/68.
Objectives: To train enlisted personnel to maintain aircraft early warning radar equipment.
Instruction: Lectures and practical exercises in aircraft early warning radar equipment maintenance, including use of algebra and trigonometry for solving mathematics problems related to electronic circuits; circuit analysis of AC and DC circuits, transformers, switches, relays, motors, transmission lines, wave-guides, special-purpose tubes, and test equipment; and functional circuit analysis of power supplies, amplifiers, wave-shaping circuits, oscillators, servos, and modulators. Emphasis is on operation of specific equipment receivers, transmitters, indicators, antennas, and related test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (4/74).

AF-1715-0290

OFFICERS PHASE I, ATOMIC ENERGY

Course Number: OB3200.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 23 weeks (690 hours).
Exhibit Dates: 10/54–12/68.
Objectives: To train officers in the fundamental principles of electronics.
Instruction: Lectures and practical exercises in electronics, including theory and principles of direct and alternating currents, vacuum tubes, vacuum tube amplifier and oscillator circuits; receiver, transmitter, and special electronic circuits; microwave energy; and application of fundamental electronic principles to radar equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0291

1. AEROSPACE PHOTOGRAPHIC SYSTEMS REPAIRMAN
2. AEROSPACE PHOTOGRAPHIC SYSTEMS REPAIRMAN (Photographic Repairman)
3. PHOTOGRAPHIC REPAIRMAN

Course Number: *Version 1:* 3ABR40230. *All Versions:* ABR40230. *Version 3:* AB40230.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 20–22 weeks (600–640 hours). *Version 2:* 26–35 weeks (750–960 hours). *Version 3:* 30–33 weeks (810–900 hours).
Exhibit Dates: *Version 1:* 4/67–12/73. *Version 2:* 5/64–3/67. *Version 3:* 3/58–4/64.
Objectives: To train airmen to repair aerospace photographic systems or to maintain and install photographic equipment, including electronic photographic equipment control devices.
Instruction: *All Versions:* Lectures and practical exercises in the repair of aerospace photographic systems or the maintenance and installation of photographic equipment, including electronic photographic equipment control devices, analysis of electrical and electronic circuits, photographic equipment systems, basic electronics principles, reconnaissance aerospace electronics photographic systems and control systems, and ground support photographic equipment. *Version 1:* Includes operation and components of RF-4C aerospace infrared detection and data display system. *Version 2:* Includes operation and components of RF-4C aerospace infrared detection and data display system, and additional instruction on electronic circuits and test equipment. *Version 3:* Includes motion picture projectors, IMC equipment operation and principles, gun, strike, and MP cameras and equipment, and automatic printers and processors.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electrical laboratory, and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0292

CONTROL SYSTEMS MECHANIC (TM-61C)

Course Number: ABR31230H.
Location: 3415th Technical Training Wing, Lowry AFB, CO.
Length: 19–22 weeks (540–570 hours).
Exhibit Dates: 9/58–12/68.
Objectives: To train airmen to perform as control systems mechanics on TM-61C series missiles.
Instruction: Lectures and practical exercises in the functions of control systems mechanics on TM-61C series missiles, including AC and DC circuit analysis, relays, switching devices, oscilloscopes, amplifiers, vacuum tubes, specific weapon systems; fuel, hydraulic, and electrical systems; guided missile control system fundamentals; and block diagrams, signal flow, and test procedures for specific equipment.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0293

CONTROLS SYSTEMS MECHANIC

Course Number: ABR31230.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26 weeks (690 hours).
Exhibit Dates: 10/58–12/68.
Objectives: To train airmen to perform as missile control system mechanics.
Instruction: Lectures and practical exercises in the duties of missile control systems mechanics, including basic electricity, physics, and aerodynamics; propulsion, launching, and navigation and guidance systems; vacuum tubes, amplification, and wave shaping; oscilloscope construction, synchros and servomechanisms, control system and gyros, pneumatic-electric system, hydraulic-electric system, computer and amplifier functions, actuating units, and specific missile equipment orientation.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0299

BALLISTIC MISSILE CHECK-OUT

EQUIPMENT SPECIALIST, WS-133A
(Ballistic Missile Check-Out Equipment Specialist, SM-80)

Course Number: ABR31235G.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 35–43 weeks (960–1200 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train enlisted personnel to be ballistic missile check-out equipment specialists.
Instruction: Lectures and practical exercises in electronic fundamentals, amplifiers, oscillators, power supplies, digital logic, oscilloscopes communications and launch control console, photoelectronic collimator and guidance and control coupler test sets, electronic programming test center operation and maintenance, aerospace ground equipment, and integrated fault isolation and calibraion.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours electricity or electronics, and credit in electrica laboratory on the basis of institutional evluation (3/74).

AF-1715-0307

ELECTRICIAN/SUPERVISOR (SM-68)

Course Number: ATS56150-4.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 1. weeks (390 hours).
Exhibit Dtes: 5/61–12/68.
Objectives: To train airmen to perform as electricians/supervisors in WS107A-2 ballistic missile installations.
Instructio: Lectures and practical exercises i the duties of electricians/upervisors in WS107A-2 ballistic missile installations, including electronic circuit analysis, troubleshooting, maintenance, repar and operation of various power supplies, computer motor-generator, guidance moor-generator, facilities sensors, detectors ani amplifiers, launcher and electrical system, hydraulic system, and power distribution; and electrical and electronic test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity, and credit in electrical laboratory o the basis of institutional evaluation (3/74)

AF-1715-0308

DEFENSE MISILE GUIDANCE MECHANIC, IM-99E

Course Number: ABR31131X.
Location: 345th Technical School, Chanute AFB, IL.
Length: 35 weeks (960 hours).
Exhibit Dates: 8/61–12/68.
Objectives: To train enlisted personnel to test and maitain the IM-99B missile guidance system.
Instruction: Lectures and practical exercises in the tsting and maintenance of the IM-99B missie guidance system, including AC and DC rinciples, vacuum tubes, transistors, amplfiers, motors, servomechanisms, microwve principles, oscilloscopes, magnetism, gidance transponder, fuse and target seeker ystems, and operation of the command system and specific equipment.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in eletricity or electronics, and credit in elecrical laboratory on the basis of institutionalevaluation (3/74).

AF-1715-0312

ELECTRICIAN/SUPERVISOR (SM-65F)

Course Number: ATS54270D-1; ATS56150-9.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 13 weeks (390 hours).
Exhibit Dates: 5/61–12/68.
Objectives: To train enlisted personnel to perform as electricians and supervisors for electrical conversion, transmission, and distribution components of the SM-65F ballistic missile and associated ground support equipment.
Instruction: Lectures and practical exercises in electrical conversion, transmission, and distribution components of the SM-65F ballistic missile and associated ground support equipment, including AC and DC circuit analysis; transistors, transformers, and motor controllers; electric motors; power generation system; protector systems; propellant transfer and missile-lifting systems; and operation, circuit analysis, and troubleshooting of various components.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity, and credit in electrical laboratory on the basis of institutional evaluation (3/74)

AF-1715-0318

CONTROL SYSTEMS MECHANIC, GAM-72

Course Number: ABR31230Q.
Location: Technical Training Center, Amarillo AFB, TX.
Length: 23 weeks (600 hours).
Exhibit Dates: 2/60–12/68.
Objectives: To train airmen to perform as apprentice control systems mechanics.
Instruction: Lectures and practical exercises in the duties of apprentice control systems mechanics, including electrical fundamentals, DC and AC circuit analysis, magnetism, vacuum tube principles, power supplies, oscillators, wave-shaping circuits; flight control system assemblies and test equipment, aerodynamics and sensor circuits, and inspection and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0323

1. AVIONICS OFFICER (OTHER)
   (Air Electronics Officer)
2. AIR ELECTRONICS OFFICER, FIGHTER A/C
3. AIR ELECTRONICS OFFICER

Course Number: *Version 1:* OBR3231C; OB3051. *Version 2:* OB3051B. *Version 3:* OB3051.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 39–41 weeks (1170–1240 hours). *Version 2:* 17 weeks (510 hours). *Version 3:* 41 weeks (1230 hours).
Exhibit Dates: *Version 1:* 3/66–3/69. *Version 2:* 1/57–2/58. *Version 3:* 11/54–12/56.
Objectives: To train officers to supervise and manage avionics maintenance.
Instruction: Lectures and practical exercises in avionics maintenance management, including AC and DC circuits, transistors, electron tubes, power supplies, amplifiers, nonlinear wave shaping, communication techniques, microwaves, technical publications, supply functions, flight control and radio navigation aids, aircraft radar systems, electronic warfare systems and weapons control, and management and supervision.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, 3 in shop management, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics (4/74), 2 in shop management (12/68), and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics (4/74), 3 in shop management (12/68), and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0324

1. ELECTRONIC WARFARE TECHNICIAN
   (Aircraft ECM Maintenance Technician)
2. AIRCRAFT ECM MAINTENANCE TECHNICIAN
   (Electronic Countermeasures Maintenance Technician)

Course Number: *Version 1:* AAR30173. *Version 2:* AA30173; AA30270.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 36–40 weeks (1080–1200 hours). *Version 2:* 17–19 weeks (510–570 hours).
Exhibit Dates: *Version 1:* 5/59–12/68. *Version 2:* 3/54–4/59.
Objectives: To train enlisted personnel to be aircraft electronic countermeasures maintenance technicians.
Instruction: Lectures and practical exercises in aircraft electronic countermeasures maintenance techniques, including basic mathematics, AC and DC circuits, power supplies, vacuum tubes and transistors, digital computer, electronic communication circuits, and system test equipment operation.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0325

GUIDANCE SYSTEMS MECHANIC (GAR-3)

Course Number: ABR31130E-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 24 weeks (630 hours).
Exhibit Dates: 10/58–12/68.
Objectives: To train airmen to perform as guidance systems mechanics on GAR-3 missiles.
Instruction: Lectures and practical exercises in the duties of guidance systems mechanics on GAR-3 missiles, including principles of electricity, analysis of various circuits, magnetism and electromagnetism, transformers, reactors, resonance and capacitance, vacuum tubes and power supplies, amplifier and wave-shaping circuits, basic GAR circuits and components, analysis of GAR missile systems, operation of the tracking and power function and control system, block-diagram analysis of systems checks, and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics, and credit in electrical

BEST COPY AVAILABLE

laboratory on the basis of institutional evaluation (4/74).

AF-1715-0326

GUIDANCE SYSTEMS MECHANICS

Course Number: ABR31130.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 26 weeks (690 hours).
Exhibit Dates: 10/58–12/68.
Objectives: To teach airmen electrical and electronic fundamentals and components of missile guidance systems.
Instruction: Lectures and practical exercises in electrical and electronic fundamentals and components of missile guidance systems, including physics of motion, aerodynamics, launching methods, navigation, basic electricity, AC circuitry, vacuum tubes and transistors, amplification, wave shaping and multivibrators, oscilloscope construction, synchros and servomechanisms, missile guidance systems block diagrams, RF transmission, radar sensors, systems components, and specific missile and console equipment.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0327

GUIDANCE SYSTEMS MECHANIC (BALLISTIC MISSILE INERTIAL)

Course Number: ABR31130P-2.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 24 weeks (630 hours).
Exhibit Dates: 1/61–12/68.
Objectives: To train airmen to perform as apprentice guidance systems mechanics.
Instruction: Lectures and practical exercises in the duties of apprentice guidance systems mechanics, including binary mathematics, AC and DC circuit fundamentals, oscilloscope, transformers and synchros, vacuum tubes, power supplies amplifiers, wave-shaping circuits, logic circuitry, inertial guidance systems operation and principles, gyros, mode switching, loop operation and troubleshooting, system data flow, power distribution, ground support equipment, electronic control unit testing, and missile inspection and maintenance.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0341

AIRBORNE RADIO REPAIRMAN

Course Number: AB30130-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 31 weeks (930 hours).
Exhibit Dates: 9/54–12/68.
Objectives: To train airmen to tune, operate, maintain, and repair airborne radio and related navigational equipment at the apprentice level.
Instruction: Lectures and practical exercises in the installation, operation, maintenance, and repair of specific airborne radio and related navigational equipment. Instruction includes electronic principles, AC and DC fundamentals, vacuum tube circuits, and modulation and high-frequency techniques.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (4/74).

AF-1715-0343

MISSILE OFFICER, WS-133B

Course Number: *Version 1:* 3OBR3121H. *Version 2:* OBR3121H. *Version 3:* OBR3121G-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 12 weeks (360 hours). *Version 2:* 13 weeks (390 hours). *Version 3:* 15 weeks (450 hours).
Exhibit Dates: *Version 1:* 3/69–12/73. *Version 2:* 3/66–2/69. *Version 3:* 4/65–2/66.
Objectives: To train officers as WS-133B missile officers.
Instruction: *All Versions:* Lectures and practical exercises on the WS-133B missile system, including missile alignment, maintenance management, and missile electrical and electronic systems. *Version 1:* Topics include Air Force management, missile fundamentals, and WS-133B general familiarization. *Version 2:* Topics include Air Force management, missile fundamentals, WS-133B general familiarization, and missile facility systems. *Version 3:* Topics include weapon system introduction and orientation, launch facility equipment, and maintenance sequences.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical or electronic laboratory or 1 as a technical elective for nontechnical students (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0344

1. MISSILE SYSTEMS ANALYST SPECIALIST, WS-133A
2. MISSILE SYSTEMS ANALYST SPECIALIST, WS-133A
   (Ballistic Missile Analyst Specialist, WS-133A)
   (Ballistic Missile Analyst Specialist, SM-80)

Course Number: *Version 1:* 3ABR31630G. *All Versions:* ABR31630G. *Version 2:* ABR31234G.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 35 weeks (960 hours). *Version 2:* 37–38 weeks (1020–1050 hours).
Exhibit Dates: *Version 1:* 9/67–12/73. *Version 2:* 8/62–8/67.
Objectives: To train airmen as WS-133A missile systems analyst specialists.
Instruction: *All Versions:* Lectures and practical exercises in the operation, inspection, check-out and periodic maintenance of WS-133A systems, including the launch facility, launch control facility, support base, aerospace ground equipment, electronic principles, propulsion systems, alignment and adjustment of targeting system, assembly and installation of components, use of standard and specialized test equipment, and inspection and maintenance. *Version 1:* Topics include missile maintenance management, nuclear safety, weapon system familiarization, launch control facility familiarization, and maintenance facility familiarization. *Version 2:* Topics include launch facility and launch control facility power systems, and environmental control systems, corrosion control, security system, personnel access procedures, launch and communication control consoles, consoles test set, communications and control system, and programmer group and guidance and control coupler and integrated systems maintenance.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (7/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electronic laboratory (7/74).

AF-1715-0345

MISSILE SYSTEMS ANALYST SPECIALIST, WS-133A
(Ballistic Missile Analyst Speicialist, WS-133A)

Course Number: ALR31630G; ALR31234G-3.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 18–20 weeks (540–600 hours).
Exhibit Dates: 10/65–12/68.
Objectives: To train personnel as WS-133A ballistic missile analyst specialists.
Instruction: Lectures and practical exercises in the operation, inspection, check-out, and periodic maintenance of WS-133A systems, including the launch facility, launch control facility, support base, aerospace ground equipment, electronic principles, propulsion systems, alignment and adjustment of targeting system, assembly and installation of components, use of standardized and specialized test equipment, inspection and maintenance records, and publications.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electronic laboratory (7/74).

AF-1715-0347

SPECIAL ELECTRONIC EQUIPMENT SPECIALIST

Course Number: AB30430-1.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 40 weeks (1170 hours).
Exhibit Dates: 5/55–12/68.
Objectives: To train enlisted personnel to operate and maintain special electronic equipment.
Instruction: Lectures and practical experience in special electronic equipment operation and maintenance, including AC and DC electrical fundamentals, vacuum tubes, amplifier and receiver circuits, oscillators, transmitters, construction of oscilloscope kit, and special circuits.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0348

ELECTRONIC DIGITAL DATA PROCESSING EQUIPMENT REPAIRMAN, CENTRAL-COMPUTER (+16L-AN/FSQ-7)

Course Number: ATS30551B-3.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 19 weeks (760 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train enlisted personnel to be AN/FSQ-7 central computer repairmen.
Instruction: Lectures and practical exercises in AN/FSQ-7 central computer repair, including theory and application of digital data processing and computer principles, computer numbering systems principles,

BEST COPY AVAILABLE

AN/FSQ-7 memory devices, computer control devices; and computer logic and logic circuit analysis.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in computer software, 3 as an elective in computer hardware (4/74).

AF-1715-0350

SPECIAL ELECTRONICS EQUIPMENT SPECIALIST, Q SYSTEM

Course Number: AB30430-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 39 weeks (1080 hours).
Exhibit Dates: 10/56–12/68.
Objectives: To train enlisted personnel to operate and maintain special electronics equipment.
Instruction: Lectures and practical exercises in special electronics equipment operation and maintenance, including AC and DC fundamentals, vacuum tubes, amplifiers, oscillators, transmitter and receiver principles, special circuits, construction of oscilloscope kit, introduction to Q system, calibration and alignment of system, recording and processing, and film analysis and reporting.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0351

ELECTRONIC COMMUNICATIONS AND CRYPTOGRAPHIC EQUIPMENT SYSTEMS REPAIRMAN (ENCRYPTED DIGITAL DATA TERMINALS)(EDDT)

Course Number: 3ABR30630F.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 36–39 weeks (1080 hours).
Exhibit Dates: 8/69–12/73.
Objectives: To train enlisted personnel to be electronic communications and cryptographic equipment repairmen.
Instruction: Lectures and practical exercises in electronic communications and cryptographic equipment repair, including AC and DC circuit theory, electronic circuits, digital circuits, motors and generators, computer peripheral equipment, solid-state power supplies and amplifiers, and soldering techniques and test equipment operation.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in digital computers, and credit in digital computer laboratory on the basis of institutional evaluation (4/74).

AF-1715-0359

AVIONICS OFFICER

Course Number: 3OBR4041, 3OBR3231.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 21–23 weeks (678 hours).
Exhibit Dates: 7/70–12/73.
Objectives: To train officers to supervise the installation, maintenance, and repair of avionics systems.
Instruction: Lectures and practical exercises in the supervision of avionics systems installation, maintenance, and repair, and in background electronics fundamentals, including DC and AC principles; solid-state devices and electron tubes; power supplies; amplifiers and wave-shaping circuits; transmitter and receiver principles; digital computer fundamentals; and specific avionics systems (navigation, communications, warfare and attack aircraft systems, tactical fighter systems, and liaison aircraft).
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics and avionics (4/74).

AF-1715-0367

GROUND RADAR SYSTEMS SUPERVISOR/TECHNICIAN

Course Number: 3AAR30300.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 50 weeks (1440 hours).
Exhibit Dates: 11/67–12/73.
Objectives: To train enlisted personnel to perform as ground radar systems supervisors and technicians.
Instruction: Lectures and practical exercises in the basic concepts of electricity, electronics, and management of ground radar systems, including advanced electronic principles; operation of radar transmitters, receivers, synchronizing systems, and display systems; ECCM features; frequency diversity techniques; r-f transmission lines; ground radar planning; and evaluation.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, 3 in management, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0368

AUTOMATIC TRACKING RADAR REPAIRMAN

Course Number: 3ABR30333.
Location: 3380th Technical School, Kessler AFB, MS.
Length: 37–39 weeks (1110 hours).
Exhibit Dates: 6/71–12/73.
Objectives: To train enlisted personnel to repair automatic tracking radars.
Instruction: Lectures and practical exercises in the basic concepts and techniques of electricity and electronics with applications to radar systems, including development and application of electronic principles; circuit analysis; digital techniques; alignment; testing; troubleshooting; and the operation, maintenance, and repair of the AN/MSQ-77 radar bomb-directing central, associated identification equipment, solid-state devices, and related test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 5 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0375

1. WEAPONS CONTROL SYSTEMS MECHANIC (F-106A/B: MA-1, ASQ-25 SYSTEMS)
2. WEAPONS CONTROL SYSTEMS MECHANIC (F-106A/B: MA-1, ASQ-25 SYSTEMS) (Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems))
3. WEAPONS CONTROL SYSTEMS MECHANIC (MA-1, ASQ-25 SYSTEMS)
4. WEAPONS CONTROL SYSTEMS MECHANIC (MA-1, ASQ-25 SYSTEMS) (Weapons Control Systems Mechanic (MA-1 System))
5. WEAPONS CONTROL SYSTEMS MECHANIC (MA-1 SYSTEMS)
6. WEAPONS CONTROL SYSTEMS MECHANIC (MA-1 SYSTEMS)
7. WEAPONS CONTROL SYSTEMS MECHANIC (MA-1 SYSTEM)
8. WEAPONS CONTROL SYSTEMS MECHANIC (MA-1 SYSTEM)

Course Number: *Version 1:* 3ABR32231A. *Version 2:* 3ABR32231A-5. *Version 3:* ABR3223IA-5. *Version 4:* ABR32231A-5. *Version 5:* ABR32231A. *Version 6:* ABR32231A. *Version 7:* ABR32231A. *Version 8:* AB32231A.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO; *Version 1:* 3415th Technical School, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO. *Version 3:* 3415th Technical School, Lowry AFB, CO. *Version 4:* 3415th Technical School, Lowry AFB, CO. *Version 5:* 3415th Technical School, Lowry AFB, CO. *Version 6:* Technical Training Center, Amarillo AFB, TX. *Version 7:* 3415th Technical School, Lowry AFB, CO. *Version 8:* 3415th Technical Training Wing, Lowry AFB, CO.

Length: *Version 1:* 22–24 weeks (660–720 hours). *Version 2:* 24–34 weeks (738–930 hours). *Version 3:* 37–39 weeks (1020–1080 hours). *Version 4:* 41 weeks (1140 hours). *Version 5:* 45 weeks (1480 hours). *Version 6:* 45 weeks (1480 hours). *Version 7:* 30 weeks (810 hours). *Version 8:* 30 weeks (810 hours).

Exhibit Dates: *Version 1:* 7/71–12/73. *Version 2:* 1/65–6/71. *Version 3:* 4/63–12/64. *Version 4:* 2/61–3/63. *Version 5:* 3/60–1/61. *Version 6:* 3/60–1/61. *Version 7:* 5/59–2/60. *Version 8:* 4/58–4/59.

Objectives: To train enlisted personnel who have backgrounds in electricity and vaccum tube electronics to maintain and repair specific weapons control systems.

Instruction: *All Versions:* Lectures and practical exercises in electronics as applied to weapons systems; communications security; saftey and first aid; technical publications; schematic interpretation and symbology; power checks and alignments; arithmetic; decimal and binary numbers; computer routines, checks, and alignments; and fault isolation procedures and ground checks. *Version 5:* Instruction includes detailed study of MA-1 weapons control system, computer fundamentals and arithmetic, radar transmitting and receiving, MA-1 measurements, and troubleshooting. *Version 6:* Instruction includes detailed study of MA-1 weapons control system, computer fundamentals and arithmetic, radar transmitting and receiving, MA-1 measurements, and troubleshooting. *Version 7:* Instruction includes algebra, vectors, trigonometry, AC and DC circuits, vacuum tube circuit application, transients and timing circuits, microwaves, servomechanisms, and computer devices *Version 8:* Instruction includes basic radar principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 5:*

BEST COPY AVAILABLE

In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 6:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 7:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 8:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0376

MISSILE SYSTEMS ANALYST SPECIALIST (LGM-25)

Course Number: 3ABR31630F; ABR31630F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 32–33 weeks (900 hours).

Exhibit Dates: 5/66–8/71.

Objectives: To train enlisted personnel to maintain the Titan II weapon system.

Instruction: Lectures and practical exercises in the maintenance of the Titan II weapon system, including operation and data flow analysis, minor troubleshooting, inspection, and monitoring; scheduled and unscheduled maintenance of missile airframe equipment, thrust mount and shock isolation system, electrical system (various circuits, linear wave shaping, and power supplies), re-entry vehicle equipment, handling equipment, launch control monitoring and check-out equipment, cable assembly groups, facility power control boards, communications equipment, flight control system, propulsion system, and propellant loading and pressurization system.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0378

AUTOMATIC FLIGHT CONTROL SYSTEMS TECHNICIAN (FIGHTERS AND B-58) (Automatic Flight Control Systems Technician)

Course Number: AAR32570-A-1; 2AAR32570A.

Location: 3320th Technical School, Chanute AFB, IL.

Length: 14–15 weeks (410–450 hours).

Exhibit Dates: 5/64–2/68.

Objectives: To train enlisted personnel to perform as automatic flight control systems technicians.

Instruction: Lectures and practical exercises in automatic flight control systems operation, including servos, electronic test equipment operation, vacuum tubes, transistors, power supplies, oscillators, wave-shaping devices, and electrical and pneudraulic power supplies.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0382

AIRBORNE ECM OPERATOR (Airborne Electronic Countermeasures Specialist)

Course Number: ZZ29334; ZZ30134.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 16 weeks (497–499 hours).

Exhibit Dates: 6/54–12/68.

Objectives: To train airmen to adjust and operate electronic countermeasures equipment.

Instruction: Lectures and practical exercises in the adjustment and operation of electronic countermeasures equipment, including AC and DC fundamentals, vacuum tubes, receiver and transmitter fundamentals, operation of specific search and analysis equipment, principles of radar, mission planning and navigation, in-flight maintenance, electronic reconnaissance and jamming missions and tactics.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (4/74).

AF-1715-0390

TELECOMMUNICATIONS SYSTEM CONTROL SPECIALIST BY CORRESPONDENCE

Course Number: 30[illegible]0.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 1/83–Present.

Objectives: To teach personnel to monitor and analyze performance of radio and wire telecommunications circuits and equipment and to maintain and repair that equipment.

Instruction: The course is presented through self study materials in microwave circuits and theory, antennas and transmission theory, and data transmission and telecommunications. Also included are review materials in semiconductor devices and digital electronics.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 5 semester hours in communication systems and telecommunications (3/85); in the upper-division baccalaureate category, 3 semester hours in data communications for non-engineering degree program students (3/85). There is a proctored final examination.

AF-1715-0392

HM4118 ELECTRONIC COMPUTER REPAIRMAN/OPERATOR/407L

Course Number: 3AZR30554-10.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 16 weeks (480 hours).

Exhibit Dates: 1/73–12/73.

Objectives: To train enlisted personnel to operate, troubleshoot, and repair electronic computers in the TACS (407L) systems.

Instruction: Lectures and practical exercises in digital computer-related equipment, including logic operations and circuits, maintenance procedures, memory storage, registers, input-output buffers, block-diagram analysis, printers, key punches, tape punches, magnetic tape readers, and test procedures.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in digital computer hardware on the basis of institutional evaluation (4/74).

AF-1715-0397

1. AIR TRAFFIC CONTROL RADAR TECHNICIAN
2. AIR TRAFFIC CONTROL RADAR TECHNICIAN (Air Traffic Control Radar Maintenance Technician)

Course Number: *Version 1:* AAR30371. *Version 2:* AAR30371.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 39 weeks (1170 hours). *Version 2:* 33–34 weeks (990–1020 hours).

Exhibit Dates: *Version 1:* 1/64–12/68. *Version 2:* 9/59–12/63.

Objectives: To train airmen to maintain and repair air traffic control radar and associated equipment at the advanced level.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance and repair of air traffic control radar and associated equipment, including radar, test and communications equipment inspection and operation, various indicators, and remoting system analysis. *Version 1:* Includes applied mathematics, DC and AC circuits, electronics principles, power supplies, electronic digital data processing, maintenance management, and measuring equipment. *Version 2:* Includes DC and AC circuits, electronics principles, power supplies, and advanced circuitry.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0406

AUTOMATIC TRACKING RADAR SPECIALIST (RATE AND TRACK SUBSYSTEMS) (SM-65)

Course Number: ABR3033C.

Location: 3380th Technical School, Keesler AFb, MS

Length: 45 weeks (1260 hours).

Exhibit Dates: 8/61–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair the SM-65 (Atlas) automatic tracking radar set.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of the SM-65 (Atlas) automatic tracking radar set, including fundamentals of electronics (AC and DC circuits, transistors, vacuum and special tubes, electronic circuits, motors and servomechanisms, special circuits, and microwave principles); theory of operation of guidance, transmitter, receiver, antenna, Doppler simulator and console subsystem; and testing procedures for specialized equipment. Very little mathematics involved.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0412

WEATHER EQUIPMENT REPAIRMAN (Ground Weather Equipment Operator) (Basic Weather Service (Equipment Channel))

Course Number: AB25130.

BEST COPY AVAILABLE

Location: 3345th Technical School, Chanute AFB, IL.

Length: 19 weeks (540 hours).

Exhibit Dates: 1/54–9/55.

Objectives: To train enlisted personnel to inspect, maintain, and repair weather equipment.

Instruction: Lectures and practical exercises in electronic principles (AC and DC circuits, electron tube and transistor principles, power supplies, wave-shaping circuits, amplifier basic concepts, and oscillators), radar transmitters and receivers, and troubleshooting, maintenance, and repair of specific weather equipment. Instruction includes extensive use of training and testing equipment. Also included are lectures and exercises in elementary meteorology, weather equipment, Rawinsonde evaluation, and equipment laboratory.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in meteorology (12/68).

AF-1715-0417

WEATHER EQUIPMENT TECHNICIAN

Course Number: AAR30270; AA25170.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 43–44 weeks (1290–1320 hours).

Exhibit Dates: 4/55–7/68.

Objectives: To train weather equipment personnel and airmen to perform as meteorological equipment technicians/supervisors.

Instruction: Lectures and practical exercises in the maintenance of meteorological equipment and the supervision of meteorological equipment operation and maintenance, including analysis of various circuits, principles of transformer action, time constants, resonance, vacuum tubes, amplifiers, oscillators, power supplies, transmitter and receiver circuits, nonelectric meteorological equipment functions, and fundamentals of radar. Includes mathematics up to basic concepts of calculus.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0422

AIR TRAFFIC CONTROL RADAR REPAIRMAN AN/CPN-4

Course Number: AB30331B.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 23–38 weeks (1020–1050 hours).

Exhibit Dates: 10/54–12/68.

Objectives: To train enlisted personnel to operate, tune, and align AN/CPN-4 radar equipment.

Instruction: Lectures and practical experience in AN/CPN-4 radar equipment operation, tuning, and alignment, including search indicating system, precision indicating system, and power and operations trailer. Instruction includes AC and DC circuits, circuit testing, RLC circuits, transients, vacuum tube electronics, DC instruments, and servo principles.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0427

AIRCRAFT EARLY WARNING RADAR REPAIRMAN

Course Number: *Version 1:* 3ABR30132. *Version 2:* ABR30132. *Version 3:* ABR30132. *Version 4:* ABR30132; ABR30132-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 41 weeks (1140 hours). *Version 2:* 44–45 weeks (1230–1260 hours). *Version 3:* 42 weeks (1170 hours). *Version 4:* 38 weeks (1050 hours).

Exhibit Dates: *Version 1:* 3/68–12/73. *Version 2:* 2/62–2/68. *Version 3:* 5/61–1/62. *Version 4:* 3/58–4/61.

Objectives: To train airmen to operate, maintain, and repair aircraft early warning radar systems equipment.

Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of aircraft early warning radar systems equipment, including limited treatment of DC and AC circuit theory, vacuum tubes, testing procedures, amplifiers and oscillators, radar microwave principles and propagation, motors and servomechanisms, and ancillary systems and equipment. *Version 1:* Includes solid-state devices, receiver principles, and a fuller treatment of AC and DC circuit theory. *Version 2:* Includes solid-state devices, transistors, detection and discrimination procedures, and gyro reference system.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0428

AN/APQ-24A SYSTEM MECHANIC

Course Number: AB32130F.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 30 weeks (900 hours).

Exhibit Dates: 2/55–12/68.

Objectives: To train airmen to operate and maintain the AN/APQ-24A bombing and navigation system.

Instruction: Lectures and practical exercises in the operation and maintenance of the AN/APQ-24A bombing and navigation system, including basic electricity and electronics (tubes, magnetism and AC and DC currents, amplifiers, power supplies, modulation, special circuits, transmission, generation and propagation of microwave energy and synchros, and applications to radar equipment), and analysis of specific equipment and the associated ground position indicator.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, and credit in electrical laboratory, all on the basis of institutional evaluation (4/74).

AF-1715-0440

ELECTRONIC COMPUTER SYSTEMS SPECIALIST BY CORRESPONDENCE

Course Number: 30554.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 9/84–Present.

Objectives: To teach personnel to install, maintain, and repair computer systems equipment.

Instruction: This self-study course provides instruction in basic digital electronics with supplementing study in semiconductor devices and test equipment operation. Course includes computer system maintenance and operations along with review tests throughout the course. There is supervised on job experience offered, and a proctored final examination.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semster hours in digital electronics , 1 in semiconductor circuit analysis (3/85).

AF-1715-0441

ELECTRONIC DIGITAL DATA PROCESSING REPAIRMAN (DISPLAY EQUIPMENT/SACCS)

Course Number: 3ABR30534B-2; 3ABR30531-6.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 38–40 weeks (1080–1118 hours).

Exhibit Dates: 9/68–12/73.

Objectives: To train enlisted personnel to maintain and repair digital equipment.

Instruction: Lectures and practical exercises in digital equipment maintenance and repair, including printer chain, display chain, projection, aerospace ground equipment, and alert-transmit console; and electronic computer principles, including computer introduction, AC and DC circuits, magnetism, vacuum tubes and solid-state devices and circuits, Boolean algebra, computer components, computer units and programming, computer systems, and site management.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electronics (4/74).

AF-1715-0442

AVIONIC INERTIAL AND RADAR NAVIGATION SYSTEMS SPECIALIST BY CORRESPONDENCE

Course Number: 32854.

Location: Extension Course Institute, Gunter AFS,AL.

Length: Maximum 52 weeks.

Exhibit Dates: 11/84–Present.

Objectives: To upgrade the technical skill level of electronics technicians in microwave and computer fundamentals and devices applied to radar and navigation system maintenance.

Instruction: The course provides an introduction to electrical measurements, digital systems, and calculations related to navigation and error analysis. Description of the principles of navigation systems including doppler radar, inertial,and TACAN is part of the program. Also covered are devices including gyros, accelerometers, radar receiver-transmitters, antennas, and navigation computers.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in microwave fundamentals or in UHF techniques (3/85). Proctored final examination is required.

BEST COPY AVAILABLE

AF-1715-0443

ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (RCC-EDLCC/465L)

Course Number: 3ABR30534B-1.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 33 weeks (990 hours).
Exhibit Dates: 6/72–12/73.
Objectives: To train enlisted personnel to repair electronic digital data processing computer equipment.
Instruction: Lectures and practical exercises in electronic digital data processing repair, including EDLCC/RCC data processing equipment; digital techniques; circuit logic; maintenance concepts; test routines and malfunction analysis; components isolation and repair; use of aerospace ground equipment; and electronic computer principles, including introduction to computers, AC and DC circuits, magnetism, vacuum tube and solid-state devices and circuits, Boolean algebra, computer components, computer units and programming, computer systems, and site management. Includes AC motors and synchro systems, wave shaping and generating circuits, input-output devices and Modems.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in computer systems, 1 in electricity or electronics (3/74).

AF-1715-0447

1. ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (BUIC AN/GYK-19)
2. ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (BUIC AN/GSA-51A)

Course Number: *All Versions:* 3ABR30534C.
Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3280th Technical School, Keesler AFB, MS.
Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 43 weeks (1278 hours).
Exhibit Dates: *Version 1:* 2/73–12/73; 2/73–12/73.
Objectives: To train airmen to repair electronic computer systems.
Instruction: Lectures and practical exercises in the repair of electronic computer systems, including DC and AC circuits, vacuum and semiconductor electronics, computer logic and components, operation and application of test equipment, maintenance management, programming of specific equipment, and system operation, core memory, input, output, timing analysis, and terminal operation for specific computer systems.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in computer laboratory, and 3 as an elective in computers (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in digital electronics (4/74).

AF-1715-0448

ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (DISPLAY EQUIPMENT/412L)

Course Number: 3ALR30554.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 20 weeks (588 hours).
Exhibit Dates: 5/72–12/73.
Objectives: To train enlisted personnel to maintain the 412l display equipment at the organizational and intermediate levels.
Instruction: Lectures and practical exercises in the maintenance of the 412L display equipment, including specific equipment terminology and circuit symbology, logic/circuit analysis and maintenance of the radar data processor, track data processor, surveillance and identification group, height data group, weapons control group display, and performance monitor group, and application and operation of specialized test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in computers (4/74).

AF-1715-0449

ELECTRONIC COUNTERMEASURES OFFICER (ECM Officer)

Course Number: ZZ302102.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 30 weeks (927 hours).
Exhibit Dates: 2/56–12/68
Objectives: To train rated observers to operate and maintain specialized countermeasures equipment.
Instruction: Lectures and practical exercises in AC and DC circuits, vacuum tube electronics, special electronic circuits review, intercept and analysis equipment, reconnaissance and jamming flights, active countermeasures, and jamming flight equipment operation and maintenance.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour as an elective in electricity or electronics (5/74).

AF-1715-0450

TELECOMMUNICATIONS SYSTEMS/EQUIPMENT MAINTENANCE BY CORRESPONDENCE

Course Number: 30652.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 1/83–Present.
Objectives: To advance the technical skills of the telecommunication technician in both equipment and systems.
Instruction: This is a correspondence course and practical exercises in repair and maintenance of telecommunication equipment and work centered management. Topics include maintenance responsibilities, work center management, electronic and typewriter principles, teletypewriter principles, and telecommunications systems.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in computer peripheral repair (3/85). There is a proctored final examination required.

AF-1715-0452

MISSILE SYSTEMS ANALYST SPECIALIST, WS-133A-M

Course Number: 3ABR31630G-1; ABR31630G-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 37 weeks (1020 hours).
Exhibit Dates: 10/67–7/72.
Objectives: To train enlisted personnel to be missile system analyst specialists.
Instruction: Lectures and practical exercises in diode and transistor circuits, digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, introduction to magnetism, AC and DC motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, AM and FM modulation and demodulation, transmitters, wave-guides, transmission lines, antennas, UHF and microwave oscillators and amplifiers, circuits, circuit counters, and storage devices.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0453

AIRBORNE METEOROLOGICAL/ATMOSPHERIC RESEARCH EQUIPMENT (MET/ARE) REPAIRMAN

Course Number: 3ABR30231.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 34–35 weeks (960–1014 hours).
Exhibit Dates: 5/68–12/73
Objectives: To train enlisted personnel to maintain and repair airborne meteorological and atmospheric research equipment.
Instruction: Lectures and practical exercises in airborne meteorological and atmospheric research equipment maintenance and repair, including specific equipment operation, block analysis, vertical and horizontal subsystems, data handling subsystem, control conversion subsystem, dropsonde data recording system, test equipment and check-out of components, dewpoint hygrometer and sea surface temperature indicator, atmospheric research equipment; and digital techniques, including binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; electron tubes; introduction to magnetism, AC and DC motors and synchros; use of the oscilloscope in circuit measurement; UHF and microwave oscillators and amplifiers; and power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electronics (4/74).

AF-1715-0454

GAM ANALYST MECHANIC, GAM-77

Course Number: ABR31533Q-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 38–41 weeks (1050–1140 hours).
Exhibit Dates: 9/61–5/64.
Objectives: To train maintenance personnel to be missile analyst mechanics.
Instruction: Lectures and practical exercises in missile familiarization, flight control systems, missile systems, and guidance systems; digital techniques, including binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; electron tubes; introduction to magnetism; AC and DC motors and synchros; use of the oscilloscope in circuit measurement; UHF and microwave oscillators and amplifiers; and power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0455

1. Navigation/Bombing/Tactics Trainer Specialist
2. Navigation/Bombing/Tactics Trainer Specialist (Navigation/Bombing Trainer and Flight Simulator Tactics Specialist)

Course Number: *All Versions:* 3ABR34330-2.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 34–35 weeks (960–1020 hours).

Exhibit Dates: *Version 1:* 8/72–12/73. *Version 2:* 9/69–7/72.

Objectives: To train enlisted personnel as flight simulation specialists.

Instruction: Lectures and practical exercises in introduction to digital computers, solid-state digital circuitry; radar principles and navigation systems; peripheral equipment operation, including memories, tape units, and printers; digital techniques, including binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; electron tubes; introduction to magnetism; AC and DC motors and synchros; use of the oscilloscope in circuit measurement; UHF and microwave oscillators and amplifiers; and power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in digital computers, and additional credit in digital computers on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in digital computers, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0456

Missile Electronic Equipment Specialist, WS-133A

Course Number: ABR31632G.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 42 weeks (1170 hours).

Exhibit Dates: 11/66–12/68.

Objectives: To train enlisted personnel to operate and inspect missile launch equipment.

Instruction: Lectures and practical exercises in missile launch equipment operation and inspection, including equipment familiarization, introduction to logic and test equipment, and operation and maintenance of electronic facility base maintenance test equipment; and electronic principles, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0458

1. Missile Electronic Equipment Specialist (AGM-28A/B)
2. Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
3. Air Launch Missile Checkout Equipment Repairman (AGM-28A/B) (GAM Checkout Equipment Repairman (GAM-77))

Course Number: *Version 1:* 3ABR31632Q. *Version 2:* ABR31534Q. *Version 3:* ABR31534Q.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 27 weeks (780 hours). *Version 2:* 35 weeks (960 hours). *Version 3:* 38–39 weeks (1050–1080 hours).

Exhibit Dates: *Version 1:* 11/68–12/73. *Version 2:* 3/66–10/68. *Version 3:* 5/63–2/66.

Objectives: To train enlisted personnel to maintain and repair electronic equipment and air launch missile check-out equipment.

Instruction: Lectures and practical exercises in the maintenance and repair of missile electronic equipment and air launch missile check-out equipment, including missile familiarization, missile/pylon simulator, pneumatic and hydraulic automatic ground equipment, flight attitude positioner, electrical components test stands, and printed circuit card test set; and electronic principles, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, wave-guides, and cavity resonators.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74). *Version 3:* In the upper-division baccalaureate category, 8 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (3/74).

AF-1715-0460

Automatic Flight Control System Specialist

Course Number: 3ABR32530-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 34 weeks (960 hours)

Exhibit Dates: 5/71–12/73.

Objectives: To train enlisted personnel to maintain automatic flight control systems.

Instruction: Lectures and practical exercises in automatic flight control systems maintenance, including basic physics and mechanics, computer operation, power distribution circuitry, digital logic, and analog and servo systems; and electronic fundamentals, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, wave-guides, and cavity resonators.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics and electronics laboratory (4/74).

AF-1715-0461

Missile Electronic Equipment Specialist, WS-133B

Course Number: 3ABR31632H; ABR31632H.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 38 weeks (1050 hours).

Exhibit Dates: 9/66–3/71.

Objectives: To train enlisted personnel to operate, maintain, and inspect missile launch and test equipment.

Instruction: Lectures and practical exercises in electronic principles, including digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, storage devices, electron tubes, introduction to magnetism, AC and DC motors and synchros, use of the oscilloscope in circuit measurement, UHF and microwave oscillators and amplifiers, power supplies, regulators, multivibrators, blocking oscillators, transmission lines, antennas, transmitters, waveguides, and cavity resonators; weapon system familiarization; introduction to logic and test equipment; manual and semiautomatic maintenance ground equipment test set, digital data test set; radio test set; interrogator and transponder test set; message processing control group; terminal digital data system; and launch facility power distribution and test sets.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electronics laboratory on the basis of institutional evaluation (3/74).

AF-1715-0464

Offensive Fire Control Systems Mechanic (MA-8 System) (Fire Control Systems Mechanic (MA-8 System))

Course Number: ABR32230L.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 29–35 weeks (768–960 hours).

Exhibit Dates: 11/59–12/68.

Objectives: To train airmen to repair fire control systems.

Instruction: Lectures and practical exercises in the repair of fire control systems, including DC, AC, and reactive circuits; vacuum tubes and solid-state devices; amplifiers and oscillators; detection and discrimination; microwave operation; special-purpose tubes; multivibrators; sweep and logic circuits; circuit analysis; hand tool use; specific transmitters; modulators, antennas, receivers, range computers, power supplies, computing gun, bombs, rocket sights and bombing computers; and system tie-in and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (3/74).

BEST COPY AVAILABLE

AF-1715-0465

GROUND RADIO COMMUNICATIONS TECHNICIAN BY CORRESPONDENCE

Course Number: 30474.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximum 52 weeks.

Exhibit Dates: 7/83–Present.

Objectives: To provide management training necessary to raise the ground radio communications specialist to supervisory level.

Instruction: This is a self study program supplemented by on-job experience in supervision, evaluating and rating personnel, safety, security, publications, and training as they apply to a maintenance supervisor.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in personnel supervision (3/85). There is a proctored final examination.

AF-1715-0466

ELECTRONIC WARFARE SYSTEMS SPECIALIST BY CORRESPONDENCE

Course Number: 32853.

Location: Extension Course Institute, Gunter AFS.AL.

Length: Maximum 52 weeks.

Exhibit Dates: 8/84–Present.

Objectives: To advance the electronic warfare systems specialist into leadership (middle management) positions involving personnel supervision and equipment and shop management.

Instruction: This is a correspondence course with practical exercises in personnel supervision, management, and maintenance of electronics warfare equipment and electronics warfare systems. Topics include introduction to supervision and management, electronic equipment maintenance, computer principles, basic electricity and electronics, and accident prevention.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in communication systems, 3 in introduction to computers (3/85). Proctored final examination is required.

AF-1715-0467

AVIONIC COMMUNICATIONS SPECIALIST BY CORRESPONDENCE

Course Number: 32851.

Location: Extension Course Institute, Gunter AFS, AL.

Length: Maximim 52 weeks.

Exhibit Dates: 7/84–Present.

Objectives: To advance avionics communication specialists into leadership (middle management) positions of personnel supervision and equipment and shop management.

Instruction: This is a correspondence course and practical exercises in personnel supervision, shop management and maintenance of aerospace equipment and communications systems. Topics include introduction to supervision and management, avionics equipment maintenance, computer principles, communications systems, basic electricity and electronics, navigational aids, and accident prevention.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in communications systems, 2 in management supevision (3/85). There is a required proctored final examination.

AF-1715-0474

1. COMMUNICATIONS MAINTENANCE OFFICER
2. COMMUNICATIONS OFFICER
3. COMMUNICATIONS OFFICER
4. COMMUNICATIONS OFFICER

Course Number: *Version 1:* 3OBR3031. *Version 2:* 3OBR3031. *Version 3:* OBR3031. *Version 4:* OBR3031.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 40 weeks (1200 hours). *Version 3:* 45 weeks (1350 hours). *Version 4:* 43 weeks (1290 hours).

Exhibit Dates: *Version 1:* 6/70–12/73. *Version 2:* 10/68–5/70. *Version 3:* 2/64–9/68. *Version 4:* 7/55–1/64.

Objectives: To train officers to command communications units.

Instruction: *All Versions:* Lectures and practical exercises in electronic principles, including AC and DC circuits, RLC circuits, solid-state power supplies and amplifiers, solid-state applications in wave generations, digital techniques, electron tubes, circuits, transmitters and receiver systems and microwave principles. *Version 1:* Instruction includes communications management and telephone systems, airbase systems, communications tributary and relay stations, multichannel communications systems, radio facilities, navigation aids, communications security, and command and control communications. *Version 2:* Instruction includes communications management and telephone systems, airbase systems, communications tributary and relay stations, multichannel communications systems, radio facilities, navigation aids, communications security, and command and control communications. *Version 3:* Instruction includes communications management and telephone systems, airbase systems, communications tributary and relay stations, multichannel communications systems, radio facilities, navigation aids, communications security, and command and control communications. *Version 4:* Instruction includes communications electronics, radio communications equipment, wire communications equipment, cryptographic communications, and communications problems and procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 12 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 12 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 3:* Credit is not recommended (4/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics and additional credit in electricity or electronics on the basis of institutional evaluation (4/74).

AF-1715-0475

AVIONIC SENSOR SYSTEMS SPECIALIST (ELECTRONIC SENSORS)

Course Number: 3ABR32930A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 31 weeks (930 hours).

Exhibit Dates: 8/71–12/73.

Objectives: To train airmen to operate, maintain, and repair electronic aircraft sensor systems.

Instruction: Lectures and practical exercises in electronics fundamentals and the operation, maintenance, and repair of electronic aircraft sensor systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, electronic side-looking radar (SLR) sets, infrared sensor systems, data display sets, camera parameter controls, reconnaissance laser systems, and low-light-level television sensor systems.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity or electronics, and 3 additional hours in electricity or electronics on the basis of institutional evaluation (4/74).

AF-1715-0476

1. INTEGRATED AVIONICS COMPONENT SPECIALIST (NAVIGATION/FLIGHT AND WEAPONS CONTROL, AND FLIGHT DATA RECORDER SYSTEMS)
2. INTEGRATED AVIONICS COMPONENT SPECIALIST (NAVIGATION/FLIGHT AND WEAPONS CONTROL)

(Integrated Avionics System Specialist (Navigation/Flight and Weapons Control))

Course Number: *All Versions:* 3ABR32631A.

Location: *Version 1:* School of Applied Aerospace Sciences, Lowry AFB, CO. *Version 2:* 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 26 weeks (780 hours). *Version 2:* 28–39 weeks (840–1170 hours).

Exhibit Dates: *Version 1:* 2/73–12/73. *Version 2:* 10/70–1/73.

Objectives: To train airmen to inspect, modify, troubleshoot, and repair avionics component systems (navigation/flight and weapon control and flight data recorder systems) at the intermediate level.

Instruction: *All Versions:* Lectures and practical exercises in maintenance electronics or electronics fundamentals, and the inspection, modification, troubleshooting, and repair of avionics components systems (navigation/flight and weapon control and flight data recorder systems), including DC and AC fundamentals, tubes, power supplies, transistors, amplifiers, oscillators, wave-shaping circuits, AM and FM, electrical test equipment, aerospace ground test equipment, and maintenance of specific airborne equipment and components. *Version 1:* Includes electricity principles, semiconductors, computer principles (analog and digital), multivibrators, digital circuits, AM, FM, balanced modulation, principles of radar, infrared and lasers, and system analysis procedures. *Version 2:* Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, and microwave principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electricity and electronics and additional credit in electricity and electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in basic electronics, 1 in electronics laboratory, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0477

BEST COPY AVAILABLE

1. MISSILE GUIDANCE AND CONTROL SPECIALIST (CGM-13B, GEMS)
2. MISSILE GUIDANCE AND CONTROL SPECIALIST (CGM-13B, GEMS) (Tactical Missile Guidance Mechanic (CGM-13B/GEMS)) (Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS))

Course Number: *Version 1:* 3AZR3165N-2; AZR31651N-2. *Version 2:* ABR31631N-2; ABR31431Y.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 28–30 weeks (840–900 hours). *Version 2:* 33–49 weeks (900–1380 hours).

Exhibit Dates: *Version 1:* 2/67–12/73. *Version 2:* 9/63–1/67.

Objectives: To train airmen to perform as missile guidance and control specialists.

Instruction: Lectures and practical exercises in electronics fundamentals and in the operation, maintenance, and repair of missile guidance and control equipment and associated test sets (CGM-13B), or in the operation, maintenance, and repair of missile guidance and control equipment and associated test sets (TM-76B), including DC and AC circuits, reactive circuits, vacuum tubes and transistors, amplifiers and oscillators, aerospace ground equipment, inertial guidance theory, and missile guidance components; power supplies; wave-shaping circuits; AM and FM; single sideband; transmission lines and antennas; servomechanisms; cavity resonators; microwave principles; and electrical test equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0478

AVIONIC SENSOR SYSTEMS SPECIALIST (ELECTRO-OPTICAL SENSORS)

Course Number: 3ABR32930B; 3ABR30135B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 28–32 weeks (840–870 hours).

Exhibit Dates: 2/70–12/73.

Objectives: To train airmen to repair aircraft sensor systems.

Instruction: Lectures and practical exercises in electronics fundamentals and the repair of aircraft sensor systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, and maintenance of electro-optical cameras, data display sets, aircraft cameras parameter controls, viewfinders, camera mounts, magazines and cassettes, and camera controls.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0479

AIRCRAFT SENSOR SYSTEMS REPAIRMAN (ELECTRONIC SENSORS)

Course Number: 3ABR30135A.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 31–34 weeks (930–990 hours).

Exhibit Dates: 2/70–12/73.

Objectives: To train airmen to inspect, maintain, and repair aircraft sensor systems.

Instruction: Lectures and practical exercises in electronics fundamentals and the inspection, maintenance, and repair of aircraft sensor systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, microwave principles, electrical test equipment, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, optics, radar and laser principles, and instruction in electronic side-looking radar (SLR) sets, infrared sensor systems, data display sets, camera parameter controls, reconnaissance laser systems, and low-light-level television sensor systems.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0480

SPACE COMMUNICATIONS SYSTEMS EQUIPMENT OPERATOR/SPECIALIST

Course Number: 3ABR30436.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS.

Length: 27 weeks (810 hours).

Exhibit Dates: 9/72–12/73.

Objectives: To train airmen to operate, install, inspect, maintain, and repair space communications terminal equipment, automatic tracking systems, and associated equipment.

Instruction: Lectures and practical exercises in electronics fundamentals and the operation, installation, inspection, maintenance and repair of space communications terminal equipment, automatic tracking systems, and associated equipment, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, modulation, UHF-SHF equipment, voice and data multiplex, frequency standards and timing units, and signaling systems.

Credit Recommendation: In the upper-division baccalaureate category, 21 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (3/74).

AF-1715-0481

1. MISSILE GUIDANCE AND CONTROL SPECIALIST (CGM-13B, GSC)
2. MISSILE GUIDANCE AND CONTROL SPECIALIST (CGM-13B, GSC) (Tactical Missile Guidance Mechanic (CGM-13B))
3. TACTICAL MISSILE GUIDANCE MECHANIC (MACE, MGM-13C) (Tactical Missile Guidance Mechanic (TM-76B, GSC)) (Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS)) (Guidance System Mechanic (TM-76B))

Course Number: *Version 1:* 3ABR31631N-1. *Version 2:* ABR31631N-1. *Version 3:* ABR311306-2; ABR31431N.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 33–36 weeks (900–990 hours). *Version 2:* 28–36 weeks (750–990 hours). *Version 3:* 30–35 weeks (810–960 hours).

Exhibit Dates: *Version 1:* 3/68–12/73. *Version 2:* 2/65–2/68. *Version 3:* 12/60–1/65.

Objectives: To train airmen to perform as missile guidance and control specialists (CGM-13B or TM-76B).

Instruction: Lectures and practical exercises in maintenance of missile guidance and control equipment, including inertial guidance systems theory, operation, components, and troubleshooting; ground support equipment; DC and AC fundamentals; reactive circuits; vacuum tubes and solid-state devices; amplifiers and oscillators; electrical test equipment and system test consoles; power supplies; wave-shaping circuits; AM; FM; single sideband; transmission lines; servomechanisms; antennas; cavity resonators; and microwave principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 9 semester hours in electricity or electronics and additional credit in electronics on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0482

DEFENSIVE FIRE CONTROL SYSTEM MECHANIC (A-3A, MD-9, ASG-15 TURRETS)

Course Number: 3ABR32330G.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 30–33 weeks (894 hours).

Exhibit Dates: 7/68–2/71.

Objectives: To train airmen to perform as defensive fire control system mechanics or B-52 turret system mechanics.

Instruction: Lectures and practical exercises in maintenance electronics and defensive fire control systems, electrical fundamentals, and maintenance of B-52 turret systems, including basic electricity principles, AC and DC, amplifiers, power supplies, computer, track radar and search radar data flow and adjustments, and testing procedures and equipment. Includes vacuum tubes, transistors, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, various modes of operation, harmonization, and 50 caliber machine gun equipment.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0483

1. BOMB NAVIGATION SYSTEM MECHANIC (B-52E, F, G, H; ASB-4A/9A/16 SYSTEMS)
2. BOMB NAVIGATION SYSTEMS MECHANIC (B-52E, F, G, H; ASB-4A/9A/16 SYSTEMS) (Bomb Navigation Systems Mechanic

BEST COPY AVAILABLE

(ASB-4A/9A/16 Systems))
(Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems))

3. BOMB NAVIGATION SYSTEMS MECHANIC (ASB-4/4A/9/9A/16 SYSTEMS)
4. BOMB NAVIGATION SYSTEMS MECHANIC (ASB-4 SYSTEMS)
5. BOMB NAVIGATION SYSTEMS MECHANIC (MA-2 SYSTEM)

Course Number: *Version 1:* 3ABR32130K. *Version 2:* 3ABR32130K; ABR32130K. *Version 3:* ABR32130K. *Version 4:* ABR32130K. *Version 5:* AB32130K.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 33–36 weeks (990–1020 hours). *Version 2:* 40 weeks (1110 hours). *Version 3:* 42 weeks (1170 hours). *Version 4:* 26 weeks (690 hours). *Version 5:* 24 weeks (630 hours).

Exhibit Dates: *Version 1:* 1/69–12/73. *Version 2:* 5/62–12/68. *Version 3:* 8/61–4/62. *Version 4:* 7/59–7/61. *Version 5:* 2/58–6/59.

Objectives: To train airmen to test, maintain, and repair specific bomb navigation systems.

Instruction: *All Versions:* Lectures and practical exercises in electrical fundamentals and the testing, maintenance, and repair of specific bomb navigation systems, including DC, AC, and reactive circuits, vacuum tubes and transistors, amplifiers, bombing and navigation computers, radar data presentation set, and adjustment and troubleshooting of specific equipment and components. *Version 1:* Includes power supplies, wave-shaping circuits, AM, FM, single-sideband, transmission lines and antennas, cavity resonators, oscillators, special circuits, servomechanisms, microwave principles, electrical test equipment, terrain computer, and radar fundamentals and equipment. *Version 2:* Includes power supplies, wave-shaping circuits, AM, FM, single-sideband transmission lines and antennas, cavity resonators, oscillators, special circuits, servomechanisms, microwave principles, electrical test equipment, terrain computer, and radar fundamentals and equipment. *Version 3:* Includes oscillators, motors and servomechanisms, multivibrators and sweep circuits, microwave principles, terrain computer, timing circuits, and monopulse radar. *Version 5:* Includes transmitting and receiving and high-speed bombing radar.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 8 semester hours in electricity and electronics and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 8 semester hours in electricity and electronics and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in electricity and electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 5:* In the upper-division baccalaureate category, 2 semester hours in electricity and electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0484

TACTICAL MISSILE GUIDANCE MECHANIC (MGM-13A)

Course Number: ABR31431M.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 35 weeks (960 hours).

Exhibit Dates: 10/64–12/68.

Objectives: To train airmen to operate, maintain, and inspect MGM-13A and TM-76A missile guidance systems and associated equipment.

Instruction: Lectures and practical exercises in electronics fundamentals and the operation, maintenance, and inspection of MGM-13A and TM-76A missile guidance systems and associated equipment, including AC and DC fundamentals, vacuum tubes and transistors, amplifiers and oscillators, motors and servomechanisms, multivibrators and sweep circuits, microwave principles, guidance system check-out equipment, ground support equipment, and troubleshooting techniques for specific guidance system equipment. Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, cavity resonators, and electrical test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (4/74).

AF-1715-0485

BOMB NAVIGATION SYSTEM MECHANIC (B-52C/D: ASB-15 SYSTEM)
(Bomb Navigation Systems Mechanic (B-52C/D: ASB-15 System)
(Bomb Navigation System Mechanic (ASB-15 System))

Course Number: 3ABR32130L; ABR32130L.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 32–43 weeks (960–1200 hours).

Exhibit Dates: 7/63–12/73.

Objectives: To train airmen to repair the B-52C/D: ASB-15 bomb navigation system.

Instruction: Lectures and practical exercises in electronics fundamentals and the repair of the B-52 C/D: ASB-15 bomb navigation system, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, pulse circuits, circuit diagrams, data flow, radar and computer equipment, and troubleshooting techniques for specific equipment.

Credit Recommendation: In the upper-division baccalaureate category, 7 semester hours in electricity and electronics, and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0486

WEAPONS CONTROL SYSTEM MECHANIC (F/FB-111)
(Weapons Control Systems Mechanic (F-111A))

Course Number: 3ABR32231R-4; ABR32231R.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 23–25 weeks (660–720 hours).

Exhibit Dates: 9/67–12/73.

Objectives: To train airmen in electronics fundamentals and to perform as weapon control systems mechanics.

Instruction: Lectures and practical exercises in electronics fundamentals and weapons control systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, binary system, Boolean algebra, digital logic and circuits, and use and maintenance of specific equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in computers, 7 in electricity or electronics, and credit in electronics and electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0488

1. AIR TRAFFIC CONTROL RADAR REPAIRMAN
2. AIR TRAFFIC CONTROL RADAR REPAIRMAN
3. AIR TRAFFIC CONTROL RADAR REPAIRMAN
4. AIR TRAFFIC CONTROL RADAR REPAIRMAN (AN/MPN-1)

Course Number: *Version 1:* 3ABR30331. *Version 2:* 3ABR30331. *Version 3:* ABR30331. *Version 4:* AB30331A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 39–42 weeks (1170–1260 hours). *Version 2:* 42 weeks (1170 hours). *Version 3:* 44–46 weeks (1260–1290 hours). *Version 4:* 23–33 weeks (900–930 hours).

Exhibit Dates: *Version 1:* 1/70–12/73. *Version 2:* 5/68–12/69. *Version 3:* 9/59–4/68. *Version 4:* 11/54–8/59.

Objectives: To train airmen to operate, maintain, and repair air traffic control radar equipment and associated identification and test equipment.

Instruction: *All Versions:* Lectures and practical exercises in the operation, maintenance, and repair of air traffic control radar equipment and associated identification and test equipment, including DC, AC, magnetism, electron tubes and power supplies, amplifiers and oscillators, special circuits, microwave principles, radar system principles, transmitter and receiver system circuits, surveillance indicating system, precision indicator and remoting system, and components and troubleshooting procedures of specific radar systems and subsystems. *Version 1:* Includes resonance; motors; synchros; diodes; transistors; operation, function, and basic mathematical relationships of regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic function; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; IFF and SIF systems; coding and decoding; control circuits; and communications equipment. *Version 2:* Includes resonance, motors and servomechanisms, solid-state diodes, transistors, vacuum tubes, FM, single sideband, transmission lines and antennas, discrimination, wave-shaping circuits, cavity resonators, IFF and SIF systems, coding and decoding, and control circuits. *Version 3:* Includes communications and beacon equipment. *Version 4:* Includes vacuum tubes, transistors, modulation, detection,

synchros, approach indicator, and communications and beacon equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electricity or electronics, 2 in electronics laboratory, and additional credit in electronics laboratory on the basis of institutional evaluation (4/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electricity or electronics and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74). *Version 4:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (4/74).

AF-1715-0489

RADIO RELAY EQUIPMENT REPAIRMAN

Course Number: *All Versions:* 3ABR30430. *Version 3:* ABR30430.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 27–34 weeks (1020–1080 hours). *Version 2:* 36 weeks (990 hours). *Version 3:* 38 weeks (1050 hours).

Exhibit Dates: *Version 1:* 6/71–12/73. *Version 2:* 6/69–5/71. *Version 3:* 10/63–5/69.

Objectives: To train airmen to perform as radio relay equipment repairmen.

Instruction: *All Versions:* Lectures and practical exercises in electricity and electronics fundamentals and radio relay equipment repair including DC and AC, transistors and tubes, amplifiers and oscillators, motors, microwave principles, telegraph and telephone multiplexing, and radio relay systems. *Version 1:* Includes resonance; magnetism; synchros; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; wave-guides; cavity resonators; electrical test equipment; link systems; forward propagation tropospheric scatter equipment testing; troubleshooting, alignment, and maintenance; block-diagram and circuit analysis; and line-of-sight radio terminals. *Version 2:* Includes resonance; magnetism; synchros; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM and PM systems; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters, wave-guides; cavity resonators; electrical test equipment; link systems; forward propagation tropospheric scatter equipment testing, troubleshooting, alignment, and maintenance; block-diagram and circuit analysis; and line-of-sight radio terminals. *Version 3:* Includes reactive circuits, detection and discrimination, servomechanisms, multivibrators and sweep circuits, circuit analyses, and tactical and fixed radio relay.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74).

AF-1715-0490

FLIGHT FACILITIES EQUIPMENT REPAIRMAN

Course Number: *Version 1:* 3ABR30431. *Version 2:* 3ABR30431; ABR30431.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 35–38 weeks (1080–1336 hours). *Version 2:* 39 weeks (1080 hours).

Exhibit Dates: *Version 1:* 6/71–12/73. *Version 2:* 9/63–5/71.

Objectives: To train airmen to operate, install, test, troubleshoot, adjust, maintain, and repair flight facilities equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics principles and the operation, installation, testing, troubleshooting, adjustment, maintenance, and repair of flight facilities equipment, including DC and AC, resonance, electron tubes and power supplies, transistors, amplifiers and oscillators, AM and FM systems, special circuits, detection and discrimination, radar beacon systems, omni-range analysis, instrument landing system analysis, and TACAN systems analysis. *Version 1:* Includes magnetism; motors; synchros; operation, functions, and basic mathematical relationships of power supplies, regulators, pulse modulation, pulsed and blocking oscillators; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; binary and octal numbers; logic function; diagrams and circuits; Boolean algebra; truth tables; counters and storage devices; and digital techniques. *Version 2:* Includes magnetism; motors; synchros; operation, function, and basic mathematical relationships of power supplies, regulators, pulse modulation, pulsed and blocking oscillators; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; binary and octal numbers; logic function; diagrams and circuits; Boolean algebra; truth tables; counters and storage devices; and digital techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74).

AF-1715-0491

GROUND RADIO COMMUNICATIONS EQUIPMENT REPAIRMAN (TITAN II)

Course Number: 3ABR30434-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 33–37 weeks (1020–1272 hours).

Exhibit Dates: 12/68–12/73.

Objectives: To train airmen to repair ground radio communications equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and ground radio communications equipment repair, including DC and AC; resonance; magnetism; motors, synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic function; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; wave-guides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; HF single-sideband transceivers; intercomplex radio communications system; surveillance system; launch enable system; and associated test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74).

AF-1715-0492

AVIONIC COMMUNICATIONS SPECIALIST

Course Number: 3ABR32830.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 29 weeks (870 hours).

Exhibit Dates: 4/72–12/73.

Objectives: To train airmen to maintain and repair specialized avionics communications equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and in the maintenance and repair of specialized avionics communications equipment, including AC and DC; resonance; magnetism; motors; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM systems; binary and octal numbers; logic functions; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; waveguides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; command, liaison, and interphone testing and adjustment; aircraft wiring; and communications systems components.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 3 as an elective in electronic communications (3/74).

AF-1715-0494

RADIO RELAY EQUIPMENT REPAIRMAN (EAME)

Course Number: ABR30430-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 31–32 weeks (840–870 hours).

Exhibit Dates: 6/65–12/68.

Objectives: To train airmen to repair radio relay equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and the repair of radio relay equipment including DC and AC, resonance, magnetism, motors, synchros, diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems, binary and octal numbers; logic function; truth tables; Boolean algebra; logic diagrams and circuits; digital techniques; counters and storage devices; transmission lines and antennas; transmitters; waveguides; cavity resonators; VHF, UHF, and microwave oscillators and amplifiers; electrical test equipment, multiplexing; telephone and telegraph terminal principles; transportable radio relay equipment; and associated test equipment.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 4 in radio engineering (4/74).

AF-1715-0495

GROUND RADIO COMMUNICATIONS EQUIPMENT REPAIRMAN (WS-133A/B)

Course Number: ABR30434-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 31 weeks (840 hours).
Exhibit Dates: 11/65–12/68.
Objectives: To train airmen to operate, install, test, adjust and align, maintain, and repair ground communications equipment.
Instruction: Lectures and practical exercises in electricity and electronics fundamentals and the operation, installation, inspection, testing, adjustment and alignment, maintenance, and repair of ground communications equipment, including DC and AC, resonance, magnetism, motors, synchros, diodes, transistors, and electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; Boolean algebra; logic function; diagrams and circuits; truth tables; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; waveguides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; receivers and transceivers; single-sideband equipment; and associated test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (4/74).

AF-1715-0496

1. RADIO RELAY EQUIPMENT TECHNICIAN
2. RADIO RELAY EQUIPMENT MAINTENANCE TECHNICIAN

Course Number: AAR30470.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 40 weeks (1200 hours). *Version 2:* 39–44 weeks (1170–1320 hours).
Exhibit Dates: *Version 1:* 1/61–12/68. *Version 2:* 1/59–12/63.
Objectives: To train enlisted personnel to install, operate and maintain microwave, multiplex, radio relay, antrac, and carrier repeater equipment.
Instruction: *All Versions:* Lectures and practical exercises in mathematics, basic and advanced circuits, AC and DC circuit analysis, FM transmitter and receiver principles, functional analysis of receiver circuits, carrier and multiplexing systems (with emphasis on frequency and time division multiplexing), carrier telephone and telegraph terminal principles, radio relay systems, power supplies, amplifiers, wave-shaping circuits, step counters, motors and generators, tropospheric scatter, transmitters and receivers, microwave transceivers, and antennas and transmission lines.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0497

1. AVIONICS OFFICER (FIGHTER)
2. AVIONICS OFFICER (FIGHTER) (Armament Systems Officer (Fighter))

Course Number: *Version 1:* 3OBR3231A-1. *Version 2:* OBR3231A-1; OB3231A.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 27–30 weeks (800–900 hours). *Version 2:* 24–36 weeks (720–1080 hours).
Exhibit Dates: *Version 1:* 1/69–12/73. *Version 2:* 3/54–12/68.
Objectives: To train officers in fire control and weapon control systems operation and management principles.
Instruction: *All Versions:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition thereon., Delta-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, frequency modulation and detection, receiver and transmitter principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, operations and limitations of aircraft fire control and weapons systems, and principles of management. *Version 2:* Instruction includes power supplies and amplifiers, including rectifiers, filters, amplifier principles, feedback, and phase inversion; wave-shaping circuits, including oscillators, transient circuits, clippers, clampers, multivibrators, and computer circuits.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in electricity or electronics (6/74), and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0498

GROUND COMMUNICATIONS EQUIPMENT REPAIRMAN (VHF-UHF)

Course Number: AB30432B.
Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.
Length: 20–23 weeks (600 hours).
Exhibit Dates: 7/55–12/68.
Objectives: To train enlisted personnel to tune, operate, and maintain selected ground radio communications equipment.
Instruction: Lectures, demonstrations, and laboratory experiences in the operation and maintenance of ground radio communications equipment. Course includes basic electricity, amplifiers, power supplies, receivers, transmitters, UHF and VHF systems, and direction-finding equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, 6 in electronics on the basis of institutional evaluation (6/74).

AF-1715-0499

GROUND COMMUNICATIONS EQUIPMENT REPAIRMAN (HEAVY) RECEIVERS

Course Number: *Version 1:* ABR30433B. *Version 2:* AB30433B.
Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.
Length: *Version 1:* 28 weeks (750 hours). *Version 2:* 15 weeks (450 hours).
Exhibit Dates: *Version 1:* 8/58–12/68. *Version 2:* 7/55–7/58.
Objectives: To train airmen to install, maintain, repair, and operate large ground radio equipment at the apprentice level.
Instruction: *All Versions:* Lectures and practical exercises in the installation, maintenance, repair, and operation of large ground radio equipment, including analysis of specific radio, radio teletypewriter, and single-sideband receiving equipment; and testing procedures. *Version 1:* Includes electronics principles.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity, 2 in electrical laboratory, and, on the basis of institutional evaluation, 3 in radio receivers (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, and 3 in radio receivers on the basis of institutional evaluation (6/74).

AF-1715-0506

CONTROL SYSTEMS MECHANIC (SM-65, 68)

Course Number: ABR31230P.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 22 weeks (570 hours).
Exhibit Dates: 6/60–12/68.
Objectives: To train enlisted personnel to perform as apprentice control system mechanics.
Instruction: Lectures and practical exercises on control systems maintenance, including fundamentals of electricity, AC and DC fundamentals, circuits, and vacuum tubes; power supplies; basic guidance and control circuits; amplifiers; transistor principles and control circuits; SM-65 operating principles, control system operating principles, flight control system component identification, location and operation, component maintenance and GSE SM-65.
Credit Recommendation: In the upper-division baccalaureate category, credit in electrical laboratory for non-electronics majors (6/74).

AF-1715-0508

GUIDANCE SYSTEMS MECHANIC (SM-65, 68)

Course Number: ABR31130P-1.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 24 weeks (630 hours).
Exhibit Dates: 6/60–12/68.
Objectives: To train enlisted personnel to maintain and repair missile guidance systems.
Instruction: Lectures and practical exercises in the repair of guidance systems including fundamentals of electricity; fundamentals of AC and DC circuits; vacuum tubes; transformers and synchros; power supplies; basic guidance and control circuits; amplifiers; transistor principles and logic circuitry; missile inspection and maintenance system; radio guidance circuits and components; microwave transmission; and modulation and detectors.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

BEST COPY AVAILABLE

AF-1715-0510

1. Aircraft Electronic Navigation Equipment Technician
2. Aircraft Electronic Navigation Equipment Maintenance Technician

Course Number: *All Versions:* AAR30171B. *Version 2:* AAR30171; AA30171.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 43 weeks (1290 hours). *Version 2:* 19–41 weeks (570–1230 hours).

Exhibit Dates: *Version 1:* 12/63–12/68. *Version 2:* 4/55–11/63.

Objectives: To train career airmen to maintain, operate, and install aircraft electronic navigation equipment.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance, operation, and installation of aircraft electronic navigation equipment, including principles of DC and AC circuits; RL and RC circuits, basic electronic principles; power supplies; oscillators; wave shaping; use of multimeter and oscilloscope; functional block-diagram analysis of transmitter, RF receiver, antenna, servo, and indicator systems; basic measuring devices and test equipment; principles of airborne instruments, radar, Doppler, beacon, and Loran systems; and applied technical mathematics. *Version 1:* Includes principles of electronic digital data processing.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in shop management, 3 in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0529

1. Electronic Warfare Officer
2. Electronic Warfare Officer
3. Electronic Warfare Officer (Navigator, ECM)

Course Number: *Version 1:* B-V7C-F. *Version 2:* 51-B-V7C-A. *Version 3:* 51-B-V7C-A; ZZ3021OZ; 157105; 157104.

Location: Air Training Command, Mather AFB, CA. *Version 2:* Air Training Command, Keesler AFB, MS. *Version 3:* Air Training Command, Keesler AFB, MS.

Length: *Version 1:* 17–25 weeks (293–593 hours). *Version 2:* 28 weeks (687–699 hours). *Version 3:* 28–40 weeks (300–1088 hours).

Exhibit Dates: *Version 1:* 1/74–Present. *Version 2:* 7/70–12/73. *Version 3:* 7/57–6/70.

Objectives: To train officers to supervise the operation, maintenance, and repair of electronic systems.

Instruction: Lectures, laboratories, and discussion sessions in basic electricity and electronics, transmission and reception, radar systems, electronic countermeasures systems, audio analysis, electronic warfare systems, and simulation training.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, semester hours in electricity, 2 in electronics, 2 in electrical laboratory (6/75). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0530

Ground Communications Equipment Repairman (Heavy) Transmitters

Course Number: *Version 1:* ABR30433A. *Version 2:* AB30433A.

Location: *Version 1:* 3380th Technical School, Keesler AFB, MS. *Version 2:* 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 32 weeks (870 hours). *Version 2:* 18 weeks (540 hours).

Exhibit Dates: *Version 1:* 8/58–12/68. *Version 2:* 8/55–7/58.

Objectives: To train enlisted personnel to install, maintain, and repair high-powered ground radio transmitters.

Instruction: Lectures and practical exercises in high-powered ground radio transmitter installation, maintenance, and repair, including AC and DC circuits, Ohm's law, RLC circuits, parallel and series combinations, motors and generators, magnetism principles, measuring instruments, tetrode and pentode circuits, amplifiers, oscillators, superheterodyne procedures, video circuits, and electronics applied to specific transmitters.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0532

Electronic Warfare Systems Specialist
(Electronic Warfare Repairman)

Course Number: 3ABR32833, 3ABR30133.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 34–36 weeks (1020–1080 hours).

Exhibit Dates: 12/70–12/73.

Objectives: To train airmen to perform as electronic warfare systems specialists.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and electronic warfare systems, or in the troubleshooting and repair of electronic warfare equipment, including AC and DC; magnetism; motors; resonators; diodes; transistors; tubes; AM; FM; synchros; power supplies; wave-guides; cavity resonators; UHF and microwave oscillators; multivibrators; pulsed and blocking oscillators; transmission lines and antennas; electrical test equipment; principles of electronic warfare, radar homing and warning equipment, panoramic receiver, and UHF and VHF countermeasures transmitters; introduction to pod-contained equipment; and hydraulically tuned transmitters. Includes PM modulation and demodulation systems, binary and octal numbers, logic functions, diagrams and circuits, truth tables, Boolean algebra, counters and storage devices, digital techniques, and RF circuit analysis.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory, and, for non-electronics majors, credit in electricity or electronics on the basis of institutional evaluation (6/74).

AF-1715-0533

Airborne Early Warning Radar Specialist Principles

Course Number: 3ABR32832.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 27 weeks (810 hours).

Exhibit Dates: 2/72–12/73.

Objectives: To train airmen to operate and maintain aircraft warning and control equipment.

Instruction: Lectures and practical exercises in electricity and electronics fundamentals and the operation and maintenance of aircraft warning and control avionics equipment, including DC and AC; resonance; magnetism; motors; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies; regulators; multivibrators, pulsed and blocking oscillators; AM, FM, and PM systems; binary and octal numbers; logic function; diagrams and circuits; truth tables; Boolean algebra; counters and storage devices; digital techniques; transmission lines and antennas; transmitters; waveguides; cavity resonators; UHF and microwave oscillators and amplifiers; electrical test equipment; search radar; gyro reference and ground position indicator systems; computer logic; digital interfacing; digital measurements and application to IFF radar systems; and data processing and display groups and control panels.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics circuits and digital design, 2 in electronics laboratory, and credit in electronic or digital laboratory on the basis of institutional evaluation (6/74).

AF-1715-0534

Ground Radio Communications Equipment Repairman

Course Number: *Version 1:* 3ABR30434. *Version 2:* 3ABR30434; ABR30434. *Version 3:* ABR30434-4. *Version 4:* ABR30434.

Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS. *Version 3:* 3380th Technical School, Keesler AFB, MS. *Version 4:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 29–30 weeks (900–968 hours). *Version 2:* 34–37 weeks (1020–1050 hours). *Version 3:* 25 weeks (750 hours). *Version 4:* 40 weeks (1050–1110 hours).

Exhibit Dates: *Version 1:* 6/72–12/73. *Version 2:* 4/66–5/72. *Version 3:* 4/65–3/66. *Version 4:* 5/63–3/65.

Objectives: To train airmen to operate, install, inspect, adjust and align, maintain, and repair ground radio communications equipment.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the operation, installation, inspection, adjustment and alignment, maintenance and repair of ground radio communications equipment, including microwave principles, amplifiers and oscillators, and motors; UHF communications and single-sideband transmitters and receivers; recorders; digital techniques; and electrical test equipment. *Version 1:* Includes VHF communications, high-frequency receivers; DC and AC; resonance; magnetism; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; logic functions; truth tables; Boolean algebra; logic diagrams and circuits; counters and storage devices; transmission lines and

BEST COPY AVAILABLE

antennas; wave-guides; and cavity resonators. *Version 2:* Includes VHF communications; DC and AC; resonance; magnetism; synchros; diodes; transistors; electron tubes; operation, function, and basic mathematical relationships of power supplies, regulators, multivibrators, pulsed and blocking oscillators, AM, FM, and PM modulation and demodulation systems; binary and octal numbers; logic functions; truth tables; Boolean algebra; logic diagrams and circuits; counter and storage devices; transmission lines and antennas; wave-guides; and cavity resonators. *Version 3:* Includes detection and discrimination, servomechanisms, multivibrators and sweep circuits, and communications systems. *Version 4:* Includes AC, DC, and reactive circuits; vacuum tubes and transistors; special-purpose tubes and solid-state devices; detection and discrimination; servomechanisms; and multichannel and auxiliary equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in basic electronics and communications circuits, 2 in electronics laboratory, and credit in basic electronics and communications circuits laboratory on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (6/74). *Version 4:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory (6/74).

AF-1715-0535

1. Weapons Control Systems Mechanic (F-4C/D: APQ-109/APA-165)
2. Weapons Control Systems Mechanic (F-4C/D: APQ-109/APA-165) (Weapons Control Systems Mechanic (F4, AMCS))
3. Weapons Control Systems Mechanic (F4, AMCS) (Weapons Control Systems Mechanic (AMCS-AERO-1A))

Course Number: *Version 1:* 3ABR32231P. *Version 2:* ABR32231P; 3ABR32231P. *Version 3:* ABR32231P; ABR32230P.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (798–916 hours). *Version 2:* 27–29 weeks (852 hours). *Version 3:* 35–37 weeks (960–1020 hours).

Exhibit Dates: *Version 1:* 1/71–12/73. *Version 2:* 8/66–12/70. *Version 3:* 7/63–7/66.

Objectives: To train airmen as weapon control systems mechanics.

Instruction: *All Versions:* Lectures and practical exercises in weapon control systems, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single-sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment; weapon control systems fundamentals; radar transmitting, receiving, antenna, and display systems; indicator control unit; radar and missile firing circuits; lead-computing optical sight systems; weapon release computing set; troubleshooting, repair, alignment, and replacement procedures; and system tie-in. *Version 3:* Includes bombing computer and transistor review.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 9 semester hours in electricity or electronics, and credit in electrical laboratory and electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 9 semester hours in electricity or electronics, and additional credit in electrical laboratory and electronics on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 10 semester hours in electricity or electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0536

1. Avionics Officer (Bomber)
2. Avionics Officer (Bomber) (Armament Systems Officer, Bomber)

Course Number: *Version 1:* 3OBR3231B. *Version 2:* OB3231B; OBR3231B.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 28–35 weeks (840–1050 hours).

Exhibit Dates: *Version 1:* 1/70–12/73. *Version 2:* 3/54–12/69.

Objectives: To train officers to be avionics officers.

Instruction: *All Versions:* Lectures and practical exercises in electronic principles, including mathematics (trigonometry and complex numbers), AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, receiver and transmitter principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, and integrated circuits. *Version 1:* Instruction includes bomber avionics and armament systems, including basic bomb navigation system, ASQ-38 computers and radar, defensive fire control systems, FB-111 and USAF missiles, communications and navigation systems, electronic warfare, and Strategic Air Command maintenance management. *Version 2:* Instruction includes munitions and weapons, turret systems, introduction to K-series bomb-navigation system, A-1A computer, APS-23 radar set and interconnection equipment, and nuclear weapons.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 12 semester hours in electronics, and 3 as an elective in communications systems (6/74). *Version 2:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74), 2 in shop management (12/68), and 3 as an elective in electronic communications (6/74).

AF-1715-0537

Avionics Aerospace Ground Equipment Specialist

Course Number: 3ABR32630.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 32–47 weeks (960–1350 hours).

Exhibit Dates: 5/70–12/73.

Objectives: To train airmen to perform as avionics aerospace ground equipment specialists.

Instruction: Lectures and practical exercises in electronics fundamentals and the maintenance, inspection, troubleshooting, repair, adjustment, and installation of aerospace ground equipment, including DC and AC fundamentals (algebra based), tubes, transistors, power supplies, amplifiers, oscillators, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, manual and semiautomatic test stations and equipment, maintenance management, computer operation, and remote control test stations.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0538

Weapons Control Systems Mechanic (A-7D, AN/APQ-126)

Course Number: 3ABR32231S.

Location: School of Applied Aerospace Sciences, Lowry AFB, CO; 3415th Technical School, Lowry AFB, CO.

Length: 20–23 weeks (600–690 hours).

Exhibit Dates: 11/69–2/73.

Objectives: To train airmen as weapon control systems mechanics.

Instruction: Lectures and practical exercises in weapon control systems, maintenance electronics, and electronics fundamentals, including DC and AC fundamentals, tubes, power supplies, transistors, amplifiers, oscillators, wave-shaping circuits, electrical test equipment, AM and FM computer head-up display, and radar analysis and operation; and troubleshooting procedures. Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and digital logic and mathematics.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0540

1. Defensive Fire Control System Mechanic (B-52H, ASG-21 Turrets)
2. Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets) (Defensive Fire Control Systems Mechanic (B-52H, B-58, MD-7, ASG-21 Turrets))
3. Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)

Course Number: *Version 1:* 3ABR32330E. *Version 2:* 3ABR32330E. *Version 3:* ABR32330E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 27–29 weeks (810 hours). *Version 3:* 36 weeks (990 hours).

Exhibit Dates: *Version 1:* 3/73–Present. *Version 2:* 7/68–2/73. *Version 3:* 4/63–6/68.

Objectives: To train airmen as defensive fire control systems mechanics.

Instruction: *All Versions:* Lectures and practical exercises in defensive fire control systems, including DC and AC fundamentals, tubes, power supplies, transistors, amplifiers, oscillators, wave-shaping circuits, AM, FM, electrical test equipment, fire control system modes data flow, transmitter and receiver, range acquisition and positioning loops and component circuits, power distribution, auxiliary equipment, maintenance ground equipment, and specific equipment operation and maintenance. *Version 1:* Includes semiconductors, computer

BEST COPY AVAILABLE

principles (analog and digital), multivibrators, digital circuits, balanced modulation, system analysis procedures, principles of radar, and infrared and lasers. *Version 2:* Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, and microwave principles. *Version 3:* Includes single sideband, transmission lines and antennas, servomechanisms, cavity resonators, and microwave principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, credit in electricity or electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0545

1. Aerospace Munitions Officer
2. Nuclear Weapons Officer
3. Nuclear Weapons Officer
4. Nuclear Weapons Officer
5. Atomic Weapons Officer

Course Number: *Version 1:* OBR4621; OB3271. *Version 2:* OBR3271. *Version 3:* OBR3271; OB3271. *Version 4:* OB3271. *Version 5:* OB3271.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 23–24 weeks (690–732 hours). *Version 2:* 24 weeks (720 hours). *Version 3:* 26 weeks (780 hours). *Version 4:* 30 weeks (900 hours). *Version 5:* 30 weeks (900 hours).

Exhibit Dates: *Version 1:* 6/63–3/68. *Version 2:* 6/60–5/63. *Version 3:* 3/58–5/60. *Version 4:* 3/56–2/58. *Version 5:* 12/55–2/56.

Objectives: To train officers to manage nuclear weapons activities.

Instruction: *Version 1:* Lectures and practical exercises in the management of aerospace munitions activities, including electronics fundamentals, explosive airmunitions, chemical and biological airmunitions, introduction to nuclear weapons, missiles and rockets, and aerospace munitions maintenance, supply, storage and handling. Includes extensive treatment of DC and AC fundamentals and tubes and transistors as part of the electronics fundamentals instruction. *Version 2:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes large- and small-diameter weapons, TN weapons, and guided missiles. *Version 3:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes nuclear physics; radiological detection, inspection, and transfer; site and field procedures; nuclear safety and decontamination; and description and operation of three types of nuclear weapons. *Version 4:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes nuclear physics; radiological detection, inspection, and transfer; site and field procedures; nuclear safety and decontamination; and description and operation of three types of nuclear weapons. *Version 5:* Lectures and practical exercises in electronic principles, including mathematics through trigonometry and complex numbers, AC and DC fundamentals, Thevenin's and Norton's theorems, superposition theorem, Delto-Wye transformations, vacuum tubes, gas tubes, solid-state diodes, transistors, power supplies, amplifiers, oscillators, pulse and switching circuits, servomechanisms, amplitude modulation and detection, single-sideband principles, antennas and transmission lines, resonant cavities, microwave oscillators, lasers, integrated circuits, and atomic weapons, warheads, and operating techniques. Instruction includes description, operation, maintenance, and testing of Mk 39, Mk 28, Mk 43, and Mk 53, and weapons loading procedures.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in maintenance management (12/68). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68), and 12 in electronics (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68), and 12 in electronics (6/74). *Version 4:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74). *Version 5:* In the upper-division baccalaureate category, 12 semester hours in electronics (6/74).

AF-1715-0546

Weapons Control Systems Mechanic (MG-10/13 Systems)
(Weapons Control Systems Mechanic (MG-10, 13 Systems))
(Weapons Control Systems Mechanic (MG-3, 10, 13 Systems))

Course Number: 3ABR32231F-5; ABR32231F-5.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 23–34 weeks (690–930 hours).

Exhibit Dates: 4/63–12/73.

Objectives: To train airmen to perform as weapon control systems mechanics.

Instruction: Lectures and practical exercises in electronics fundamentals and weapon control systems, including DC and AC fundamentals, power generation, vacuum tubes, oscilloscopes, target detection and radar ranging, flight sensing and antenna functions, steering and tracking, timing and firing, and alignment test equipment, and testing procedures for specific weapons control systems. Includes transistors, amplifiers, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, electrical test equipment, infrared subsystem functions, and armament control.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0548

Ground Radio Officer

Course Number: OB3031A.

Location: 3310th Technical School, Scott AFB, IL.

Length: *Version 1:* 12 weeks (390 hours). *Version 2:* 19 weeks (570 hours).

Exhibit Dates: *Version 1:* 12/56–12/68 *Version 2:* 2/54–11/56.

Objectives: To train officers who have taken college-level electronics and electricity courses and who have eighteen months experience in communications to command and manage the installation, maintenance, operation, and repair of radio communications equipment and systems.

Instruction: Lectures and practical exercises in the installation, maintenance, operation, and repair of radio communications equipment and systems, including basic electricity, hand-wired communications, AM and FM transmitters and receivers, radio teletypes, antenna systems, VHF radio relays, cryptographic activities, and specific radio communications equipment systems, including teletypes, telephones, telegraphs, facsimile and television.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory, and 3 in communications circuits on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 4 semester hours in electrical laboratory, and 5 in communications circuits on the basis of institutional evaluation (6/74).

AF-1715-0549

Advanced Microwave Measurements and Calibration

Course Number: 3AZR32470-11.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 5 weeks (150 hours).

Exhibit Dates: 4/71–12/73.

Objectives: To train enlisted personnel to maintain and calibrate microwave measuring equipment.

Instruction: Lectures and practical exercises in the calibration and maintenance of microwave measuring equipment at the advanced level. Course includes discussion of transmission line principles and parameters, distributed elements, Smith chart analysis, and detection techniques. Measurements are performed to determine VSWR, frequency, and impedance, together with an assessment of accuracy, loss characteristics, and system representations. Block-diagram analysis is also included, together with detailed instructions and equipment exercises for evaluating microwave circuit performance. All standard equipment (e.g., detectors, slotted lines, reflectometers, couplers, and other accessories) is used in this course.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in microwave techniques laboratory (6/74).

AF-1715-0550

COMMUNICATIONS-ELECTRONICS SYSTEMS STAFF OFFICER

Course Number: 3OAR3001.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 22 weeks (660 hours).
Exhibit Dates: 1/70-12/73.

Objectives: To train commissioned officers to formulate communications-electronics policies and procedures, to coordinate policy plans and operations, and to monitor and direct programs.

Instruction: Lectures and demonstrations in communications-electronics policies and procedures. Course includes wire communications and switching, multiplexors, ground radar, air traffic control systems, communications networks, and satellite systems.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital computer fundamentals, and 3 in communications circuits on the basis of institutional evaluation (6/74).

AF-1715-0551

1. ELECTRONIC INTELLIGENCE OPERATIONS SPECIALIST (Electronic Emission Monitor/Analysis Specialist)
2. ELECTRONIC EMISSION MONITOR/ANALYSIS SPECIALIST (Electronic Intercept Operations/Analysis Specialist)

Course Number: *All Versions:* 3ABR29430. *Version 1:* 3ABR20530. *Version 2:* ABR29430.
Location: *Version 1:* School of Applied Aerospace Sciences, Keesler AFB, MS. *Version 2:* 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 21 weeks (630 hours). *Version 2:* 24-25 weeks (630-750 hours).
Exhibit Dates: *Version 1:* 12/70-12/73. *Version 2:* 1/63-11/70

Objectives: To train airmen as electronic emission monitor/analysis specialists.

Instruction: Lectures and practical exercises in electronic emission monitoring and analysis, including AC and DC circuits, vacuum tubes, semiconductor devices, radio fundamentals, radar principles, signal generation theory, signal generation and monitoring, receiver systems operation and procedures, mission data processing, and signal types and identification.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity, 2 in electrical laboratory, and, on the basis of institutional evaluation, 3 in electronics and 3 in signal analysis (6/74). *Version 2:* in the upper-division baccalaureate category, 3 semester hours in electricity, 2 in electrical laboratory, and, on the basis of institutional evaluation, 4 in electronics and 3 in signal analysis (6/74).

AF-1715-0554

ELECTRONIC INTERCEPT OPERATIONS SPECIALIST (INTERIM)

Course Number: ABR29230-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 25 weeks (660 hours).
Exhibit Dates: 2/62-12/68.

Objectives: To train enlisted personnel in intercept techniques and principles, including communications principles, camera techniques, and system function.

Instruction: Lectures and laboratories in electronic intercept operations, including countermeasures receivers, pulse analyzers, traveling-wave tubes, antennas, photographic and oscillographic recorders, magnetic recording devices, record and log procedures, and the operation of various systems components.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics (6/74).

AF-1715-0561

GROUND COMMUNICATIONS EQUIPMENT TECHNICIAN (TDDL)
(Ground Communications Equipment Technician (Light)(TDDL Equipment))

Course Number: AZR30474, AZR30472.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 10 weeks (300 hours).
Exhibit Dates: 8/62-12/68.

Objectives: To train personnel in the theory, operation, and maintenance of the AN/GKA-5(V) flight control group and the AN/FRT-49 amplifier.

Instruction: Lectures and practical exercises in the theory, operation, and maintenance of the AN/GKA-5(V) flight control group and AN/FRT-49 amplifier, including Boolean algebra and binary mathematics, transistor theory, circuit and logic analysis of all components, klystron theory, tuning and adjustment, preventive maintenance procedures, system maintenance, and operation and application of associated test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in digital engineering, logic design, or electronics laboratory (6/74).

AF-1715-0564

BASIC OBSERVER ELECTRONIC COUNTERMEASURES

Course Number: ZZ302101.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 30 weeks (927 hours).
Exhibit Dates: 2/55-12/68.

Objectives: To train officers in electronic countermeasures techniques.

Instruction: Lectures and practical exercises in introductory electronic circuit theory and AC and DC fundamentals; transmitting and receiving techniques applied to specific circuits; electronic systems; search and analysis equipment operation; reconnaissance flights, jamming equipment operation and jamming flights.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0573

FLIGHT SIMULATOR TECHNICIAN

Course Number: *Version 1:* 3AAR34270. *Version 2:* AAR34270. *Version 3:* AAR34270.
Location: 3345th Technical School, Chanute AFB, IL.
Length: *Version 1:* 20 weeks (600 hours). *Version 2:* 21 weeks (630 hours). *Version 3:* 36 weeks (1080 hours).
Exhibit Dates: *Version 1:* 5/68-12/73. *Version 2:* 2/66-4/68. *Version 3:* 11/60-1/66.

Objectives: To train maintenance personnel to supervise flight simulator activities, system analysis, installation and repair of flight simulators.

Instruction: *All Versions:* Lectures and practical exercises in the supervision of flight simulator activities, system analysis, installation and repair of flight simulators, including DC and AC circuit analysis, amplifier fundamentals and circuitry, power supplies, flight systems computer analysis, synchro systems, and management procedures. *Version 1:* Includes solid-state theory and devices; analog principles; passive and active computing devices; servomechanisms; flight computations; digital computer fundamentals; computer timing; programming; storage; block, flow, and logic diagrams for central processor; and peripheral systems logic. *Version 2:* Includes solid-state theory and devices; analog principles; passive and active computing devices; servomechanisms; flight computations; digital computer fundamentals; computer timing; programming; storage, block, flow, and logic diagrams for central processor, peripheral systems logic; and parallel and serial computer analysis. *Version 3:* Includes troubleshooting procedures; landing gear, hydraulic, and fuel systems; mechanical devices; engine operation; specific equipment maintenance and inspection; basic and advanced flying procedures; radio aids; and aerodynamics.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours as an elective in electronics and computers (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0577

GROUND RADIO SYSTEMS SUPERVISOR/TECHNICIAN

Course Number: 3AAR30400; AAR30490.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 46-48 weeks (1380 hours).
Exhibit Dates: 7/65-12/73.

Objectives: To train enlisted personnel as ground radio systems supervisor/technicians.

Instruction: Lectures and practical exercises in the duties of a ground radio systems supervisor/technician. Topics include applied mathematics, DC and AC circuits, vacuum tube and solid-state devices, electronic circuits, data processing, transmitters, receivers, management techniques, multiplex systems, SSB systems, UHF/VHF, ILS, omni-range systems, TACAN, digital theory, television, and missile communications systems.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1715-0579

ELECTRICAL POWER PRODUCTION TECHNICIAN

Course Number: 3AAR54370; AAR54370.
Location: 3750th Technical School, Sheppard AFB, TX.

BEST COPY AVAILABLE

Length: 9–10 weeks (270–300 hours).
Exhibit Dates: 12/62–2/68.
Objectives: To train airmen to maintain diesel-driven generator sets, associated support equipment and control switchgear, or to maintain and operate electrical power generating equipment.
Instruction: Lectures and practical exercises in the maintenance of diesel-driven generator sets, associated support equipment and control switchgear, or the maintenance and operation of electrical power generating equipment, including maintenance management, electrical switchgear arrangements and related wiring diagrams, engine construction and operating procedures, and diesel engine systems analyses. Includes maintenance management.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1715-0587

ELECTRONIC WARFARE COUNTERMEASURES SPECIALIST
(Electronic Counter-Countermeasures Operator)
(ECCM Operator)
Course Number: ALR27332; AZR27370A-14.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 16 weeks (480 hours).
Exhibit Dates: 6/63–12/68.
Objectives: To train enlisted personnel to perform as console operators at radar sites and direction centers.
Instruction: Lectures and practical exercises to supplement the training of enlisted personnel in the duties of a console operator at radar sites and direction centers. Basic electronic principles and their application to basic radar systems, types of electronic and mechanical jamming, and electronic principles are discussed in detail, but no solid-state devices are included in the course.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity and electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0588

1. ELECTRONICS SYSTEMS OFFICER (Ground Electronics Officer)
2. GROUND ELECTRONICS OFFICER
3. GROUND ELECTRONICS OFFICER (Ground Electronics Officer (ECCM)) (Ground Electronics Officer (Electronics))

Course Number: *Version 1:* 3OBR3041. *Version 2:* OBR3041; OBR3041B; OBR3041A. *Version 3:* OB3041.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 38–41 weeks (1140–1230 hours). *Version 2:* 45–49 weeks (1350–1470 hours). *Version 3:* 47–51 weeks (1410–1530 hours).
Exhibit Dates: *Version 1:* 9/68–12/73. *Version 2:* 5/62–8/68. *Version 3:* 3/54–4/62.
Objectives: To train officers to perform as ground electronics officers.
Instruction: Lectures and practical exercises in the duties of ground electronics officers, including electronics fundamentals, electronic test equipment maintenance and application, supervisory procedures, maintenance of ground radar and associated equipment, receivers and transmitters, communications systems, solid-state devices, data processing and computer principles, identification systems, and specific equipment analysis.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in basic electronics, 3 in basic electronics laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in basic electronics (6/74), 3 in basic electronics laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in shop management (12/68), 3 in basic electronics laboratory (6/74), and 3 as an elective in basic electronics (6/74).

AF-1715-0598

ELECTRONIC COMPUTER SYSTEMS REPAIRMAN (EDTCC/SACCS)
Course Number: 3ABR30534B.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 32 weeks (948 hours).
Exhibit Dates: 12/71–12/73.
Objectives: To train enlisted personnel to perform the duties of an electronic computer systems repairman.
Instruction: Lectures and practical exercises in the repair of electronic computer systems, including DC and AC circuits, RLC circuits, solid-state power supplies and amplifiers, wave generation, electron tubes, computer logic, computer components, computer systems, system operation and programming, core memories, drum systems, and input-output devices.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours as an elective in digital electronics (6/74).

AF-1715-0609

INTEGRATED AVIONICS COMPONENT SPECIALISTS (COMMUNICATION/MISSION AND TRAFFIC CONTROL AND PENETRATION AIDS)
Course Number: 3ABR32631B.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 27–46 weeks (798–1320 hours).
Exhibit Dates: 6/70–12/73.
Objectives: To train airmen as integrated avionics component specialists.
Instruction: Lectures and practical exercises in the maintenance, assembly, disassembly, and alignment of avionics communication and traffic control devices, including mathematics and electronics principles; block-diagram analysis of system pressurization, cooling, and closed cryogenic units, and of the HF and UHF communications, airborne transponder, instrument landing approach, tactical air navigation, countermeasures receiving, track breaker, and radar homing and warning systems; central air data computer; analysis of heterodyne and other modulation schemes; microwave equipment repair; servomechanisms and infrared sensing devices; and alignment and test procedures.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0610

WEAPONS CONTROL SYSTEMS MECHANIC (F-4E:APQ-120)
(Weapons Control Systems Mechanic (F-4E))
Course Number: 3ABR32231Q.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 29–33 weeks (882–912 hours).
Exhibit Dates: 8/68–12/73.
Objectives: To train airmen as weapon control system mechanics.
Instruction: Lectures and practical exercises in the duties of weapon control system mechanics, including weapons control system familiarization and system test equipment; data flow analysis of pulse transmitter and receiver sections, antenna and display systems, transmitter and radar computer functions, power distribution and missile-launching circuits, lead computing optical sight, and weapons release computer; and system tie-in, maintenance management, troubleshooting, and repair and alignment procedures.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0617

SPECIAL TRAINING ON RADAR BOMBING NAVIGATION SYSTEM, AN/APQ-24A
Course Number: SS32171F-2.
Location: 3380th Technical School, Keesler AFB, MS.
Length: 14 weeks (420 hours).
Exhibit Dates: 3/55–12/68.
Objectives: To train enlisted personnel to perform organizational and field maintenance on radar bombing navigation systems.
Instruction: Lectures and practical exercises in the maintenance of specific radar bombing navigation systems. Course includes functional analysis of various electronic devices such as the transmitter and receiver; line diagram study of oscillators, shapers, and other related equipment not involving solid-state devices; and functional analysis of tilt and rate servo drives; and familiarization with the associated mechanical and electronic hardware.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0621

PRIMARY-BASIC NAVIGATOR UPGRADING
Course Number: 153103.
Location: Air Training Command, Mather AFB, CA.
Length: 26 weeks (714 hours).
Exhibit Dates: 6/56–12/68.
Objectives: To provide previously rated navigators with training in aircraft observation electronics and navigation principles.
Instruction: Lectures and practical exercises in electronics and navigation required for aircraft observation duties, including navigation, Loran and radio principles, meteorology, electricity and magnetism, AC principles, vacuum tubes, radar systems and navigation, aircraft observation equipment, and basic avionics.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in navigation, provided that no credit has previously been awarded in this field (12/68).

AF-1715-0632

FLIGHT FACILITIES EQUIPMENT REPAIRMAN (ILS)
Course Number: ABR30431B.

BEST COPY AVAILABLE

Location: 3380th Technical School, Keesler AFB, MS.
Length: 28 weeks (750 hours).
Exhibit Dates: 8/58–12/68.
Objectives: To train personnel as flight facilities equipment repairmen.
Instruction: Lectures and practical exercises on the duties of flight facilities equipment repairmen, including AC and DC circuits, generators, motors, instruments, diodes, rectifiers, triodes, special-purpose tubes, transistors, amplifiers, oscillators, modulation, detection, superheterodyne receivers, multivibrators, counters, discrimination, and application to the glide slope and localizer equipment.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electrical and electronics laboratory (6/74).

AF-1715-0634

AIR ELECTRONIC SYSTEMS SUPERVISOR/TECHNICIAN

Course Number: *Version 1:* 3AAR30100. *Version 2:* 3AAR30100. *Version 3:* AAR30190.
Location: 3380th Technical School, Keesler AFB, MS.
Length: *Version 1:* 44 weeks (1320 hours). *Version 2:* 46 weeks (1320 hours). *Version 3:* 50 weeks (1440 hours).
Exhibit Dates: *Version 1:* 4/71–12/73. *Version 2:* 11/67–3/71. *Version 3:* 6/65–10/67.
Objectives: To train airmen to be air electronic systems supervisors or technicians.
Instruction: Lectures and practical exercises in advanced electronic principles; operational analysis of aircraft electronic systems; analysis and use of test equipment; maintenance data analysis for recognition and solution of maintenance problems; and supervision, administration, and management of maintenance activities.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68), and 2 in electrical laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in maintenance management (12/68), and 2 in electrical laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in maintenance management (12/68), and 2 in electricity or electronics (6/74).

AF-1715-0635

DEFENSE MISSILE GUIDANCE MECHANIC—FALCON (AIM)
(Defense Missile Guidance Mechanic (GARS))
(Guidance Systems Mechanic (GARS))
(Guidance Systems Mechanic (GAR-1/2/3))

Course Number: ABR31131W; ABR31130E.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 25–30 weeks (660–810 hours).
Exhibit Dates: 12/59–12/68.
Objectives: To train enlisted personnel to repair Falcon missile guidance systems.
Instruction: Lectures and practical exercises in AC and DC circuit analysis, reactive elements, vacuum tubes and transistors, amplifiers and oscillators, missile hazard reporting, publications and maintenance management, block-diagram analysis, power supply functions, armament propulsion, missile assembly and disassembly, test and ground support equipment, nuclear safety, inspection procedures, and trouble analysis and repair. Instruction includes AC and DC fundamentals, tubes, transistors, power supplies, regulators, amplifiers, oscillators, wave-shaping circuits, AM and FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, hand tools operation, multimeters, oscilloscopes, and microwave principles.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics, and additional credit in electronics on the basis of institutional evaluation (3/74). (3/74).

AF-1715-0637

MISSILE FACILITIES SPECIALIST

Course Number: 3ABR54130G.
Location: School of Applied Aerospace Sciences, Chanute AFB, IL.
Length: 19 weeks (570–710 hours).
Exhibit Dates: 11/72–12/73.
Objectives: To train enlisted personnel in the duties of missile facilities specialists.
Instruction: Lectures and practical exercises in the duties of missile facilities specialists. Course includes principles of electricity, pneudraulics, and hydraulics; operation, inspection, and maintenance of missile facilities, hydraulic and pneudraulic systems, water and sewage systems, air conditioning and cooling systems, electrical power generation systems, and power distribution systems; use of tools and technical publications; and safety and security procedures.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical and mechanical laboratory (6/74).

AF-1715-0638

MISSILE OFFICER TM-76B
(Missile Maintenance Officer TM-76B)

Course Number: OBR3121H; OBR3121B-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 27 weeks (810 hours).
Exhibit Dates: 12/60–12/68.
Objectives: To train commissioned officers to maintain missile guidance systems.
Instruction: Lectures and practical exercises in the maintenance of guided missile systems. Course includes basic electricity, motors and generators, control systems, power supplies, amplifiers and oscillators, servomechanisms, inertial guidance fundamentals, and test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hours in electrical laboratory (6/74).

AF-1715-0641

MISSILE ELECTRONIC EQUIPMENT SPECIALIST (CGM-13B, TEMS)
(Tactical Missile Checkout Equipment Repairman (CGM-13B TEMS))
(Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS))
(Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS))

Course Number: 3ALR31652N; ALR31652N; ALR31434N.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 18–31 weeks (540–930 hours).
Exhibit Dates: 9/61–12/73.
Objectives: To train maintenance personnel to operate, maintain, and repair specific missile electronic test equipment.
Instruction: Lectures and practical exercises in missile electronic test equipment operation and maintenance, including electronic circuit analysis, flight controls and inertial guidance system, maintenance and launch areas aerospace ground equipment, verification and calibration, test equipment maintenance set, and specialized electronics.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0642

MISSILE SPECIALIST (TM-61C)
(Missile Mechanic (TM-61A/C))

Course Number: ABR43330A.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 17 weeks (480 hours).
Exhibit Dates: 9/58–12/68.
Objectives: To train personnel as missile specialists.
Instruction: Lectures and practical exercises in the duties of missile specialists, including fundamentals of guided missiles; missile structures and materials; aerodynamics, mechanics, and basic physics; propulsion system; fuels, oxidizers, and lubricants; 60-kw generator and engine console; missile systems; systems assembly and disassembly; power plant and missile check-out, launch procedures; missile transfer; and countdown.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in mechanical (fluids) laboratory (6/74).

AF-1715-0646

TACTICAL MISSILE CHECKOUT EQUIPMENT REPAIRMAN (MGM-13B(TEMS))
(Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS))
(Missile Test Equipment Specialist (TM-76A))

Course Number: ALR31434M; ALR31530F.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 18–23 weeks (540–690 hours).
Exhibit Dates: 9/61–12/68.
Objectives: To train airmen to perform as tactical missile check-out equipment repairmen.
Instruction: Lectures and practical exercises in tactical missile check-out equipment repair, including MGM-13B weapon system, specialized electronics, calibration test equipment, flight control system and check-out equipment, flight controls check-out equipment calibration, guidance system and its check-out equipment calibration, missile preflight tester calibration, and launch area check-out equipment. Includes practical exercises on the function of missile test equipment specialist, including TM-76A weapon system, calibration van, basic missile checker calibration, guidance system test set and calibration, missile preflight tester and calibration, and FCT and RFT calibration.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory for non-electrical engineering majors (6/74).

AF-1715-0647

1. MISSILE OFFICER TM-76A

BEST COPY AVAILABLE

2. GUIDED MISSILE MAINTENANCE OFFICER TM-76A

Course Number: *Version 1:* OBR3121G. *Version 2:* OBR3121B-1.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 25 weeks (750 hours).

Exhibit Dates: *Version 1:* 5/61-12/68. *Version 2:* 12/60-4/61.

Objectives: To train officers to perform as guided missile maintenance officers (TM-76A).

Instruction: *Version 1:* Lectures and practical exercises in the functions of guided missile maintenance officers, including air weapons management; fundamentals of electricity and alternating current, vacuum tubes and amplifiers; oscillators and wave shaping; weapon, propulsion, flight control, and guidance systems; missile preflight test pack; support area operations; and nuclear weapons orientation. *Version 2:* Lectures and practical exercises in the functions of missile officers, including maintenance management; electricity; electron tubes; amplifiers; wave forming; transmission; radar; missile equipment; power plant, flight controls, guidance systems; system recycle vehicle; missile launch pack; and nuclear weapons orientation.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity and electronics (6/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity and electronics (6/74).

AF-1715-0648

GUIDANCE SYSTEMS OFFICER (SURFACE-TO-SURFACE) (TM-61C)
(Guidance Systems Officer)
(Pilotless Aircraft Guidance and Control Officer)

Course Number: OB3221C-1; OB3221.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 26-32 weeks (780-960 hours).

Exhibit Dates: 4/54-12/68.

Objectives: To train officers to perform as guidance systems officers.

Instruction: Lectures and practical exercises on the functions of guidance systems officers, including air armament management, fundamentals of electricity, alternating current principles, oscillators and principles of receiving and transmission, radar system components, modern guided missiles and the MARC,ATRAN, and Command guidance systems, ground station guidance, and airborne controls and guidance equipment. Includes oscilloscope analysis; radar system components; airborne shanicle guidance; and superheterodyne receiver and sweep generator. Includes the function of pilotless aircraft guidance and control officers, vacuum and gas-filled tubes, power supplies, and voltage regulators; transmission, and fundamentals tie-in; and B-61A command guidance and controls system and check-out.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in radio and electronics (6/74).

AF-1715-0649

1. MISSILE SYSTEMS MAINTENANCE SPECIALIST (AGM-28)
(Missile Guidance and Control Specialist (AGM-28))
2. MISSILE SYSTEMS MAINTENANCE SPECIALIST (AGM-28)
(Missile Guidance and Control Specialist (AGM-28A/B))
3. AIR LAUNCH MISSILE GUIDANCE MECHANIC (AGM-28A/B)
4. AIR LAUNCH GUIDANCE MECHANIC (AGM-28A/B)
(AGM Guidance Mechanic (AGM-28A/B))
(GAM Guidance Mechanic, GAM-77)

Course Number: *Version 1:* 3ABR31631Q. *Version 2:* 3ABR31631Q; ABR31631Q; ABR31531Q. *Version 3:* ABR31531Q. *Version 4:* ABR31531Q.

Location: 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 30 weeks (1144 hours). *Version 2:* 30-36 weeks (900-990 hours). *Version 3:* 42-44 weeks (1170-1230 hours). *Version 4:* 33 weeks (990 hours).

Exhibit Dates: *Version 1:* 6/73-12/73. *Version 2:* 11/66-5/73. *Version 3:* 12/62-10/66. *Version 4:* 10/61-11/62.

Objectives: To train technicians to operate and maintain the AGM-22 missile guidance system.

Instruction: *All Versions:* Lectures and practical exercises in AC and DC circuits, resonance, introduction to magnetism, AC and DC motors and synchros, electron tubes, power supplies, regulators, multivibrators, blocking oscillators, AM modulation and demodulation, transmission lines, antennas, transmitters, wave-guides, cavity resonators, UHF and microwave oscillators and amplifiers, use of the oscilloscope in circuit measurement, and operation, maintenance, alignment, troubleshooting, and repair of AGM-22 missile guidance system and associated equipment. *Version 1:* Instruction includes diode and transistor circuits, digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices, flight control systems, computer test set, verdan digital computer, and autonavigation component test set operation, alignment and calibration. *Version 2:* Instruction includes solid-state devices (emphasis on tube-type audio, push-pull, and video amplifiers), servo and magnetic amplifiers, oscillators, missile familiarization, bench test equipment, flight control package circuitry and check-out, computer test set, verdan digital computer, and guidance system, and test set certification. *Version 3:* Instruction includes solid-state devices (emphasis on tube-type audio, push-pull, and video amplifiers), servo and magnetic amplifiers, oscillators, package check-out, guidance component theory and system check-out, autonavigator component test set, special test equipment, computer test set, and printed circuit card tester. *Version 4:* Instruction includes guidance system familiarization, computer logic expressions and circuitry, verdan computer, digital computer control panel, and application of optical equipment.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour as a technical elective in electrical laboratory for non-electrical engineering majors (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour as an technical elective in electrical laboratory for non-electrical engineering majors (6/74). *Version 3:* In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74). *Version 4:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0650

1. DEFENSE MISSILE GUIDANCE TECHNICIAN (GAR-1/2/11)
(Guidance Systems Technician (GAR-1/2/11))
(Guidance Systems Technician (GAR-1/2))
(Guidance Systems Technician (GAR-1))
2. GUIDANCE SYSTEMS TECHNICIAN (GAR-1)

Course Number: *All Versions:* AAR31171W. *Version 1:* AAR31170E; AA31170E. *Version 2:* AL31130E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 13-18 weeks (390-540 hours). *Version 2:* 26 weeks (780 hours).

Exhibit Dates: *Version 1:* 9/57-12/68. *Version 2:* 10/55-8/62.

Objectives: To train enlisted personnel to test and maintain the GAR-1 missile guidance system.

Instruction: Lectures and practical exercises in GAR-1 missile guidance system testing and maintenance, including radar circuitry, vacuum tubes, hydraulic systems, block-diagram analysis, signal-flow analysis, guidance unit theory of operation, malfunction procedures and exercises, and electronic fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electronics laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electronics laboratory (6/74).

AF-1715-0651

MISSILE LAUNCH/MISSILE OFFICER (ATLAS PGM-16E)
(Missile Launch/Missile Officer (SM-65E))

Course Number: OZR1821C; OZR3121C; OZR1821B; OZR3121B-1.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 7 weeks (210 hours).

Exhibit Dates: 12/62-12/68.

Objectives: To train officers to operate and maintain the 107A weapon system (Atlas).

Instruction: Lectures and practical exercises in the operation and maintenance of the 107A weapon system (Atlas), including principles of Atlas subsystems; launch complex facilities; associated aerospace ground equipment; operational analysis of electrical power production and distribution; and electrical propulsion, autopilot, guidance, and hydraulics systems.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0653

INSTRUMENT TRAINER SPECIALIST (C-11)
(Electronic Instrument Trainer Specialist (C-11 Type))

Course Number: ABR34131A; AB34141A.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 30-34 weeks (810-930 hours).

Exhibit Dates: 12/54-12/68.

Objectives: To train maintenance technicians to service electronic equipment.

Instruction: Lectures and practical exercises in electronic equipment servicing, in-

BEST COPY AVAILABLE

cluding aerodynamics and flight principles, electrical and electronic principles, use of electronic measuring instruments, circuit analysis and troubleshooting procedures, engine systems, and radio aids.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1715-0657

TACTICAL MISSILE LAUNCH SPECIALIST (CGM-13B)
(Tactical Missile Launch Specialist (Mace, MGM-13C))
(Tactical Missile Launch Specialist (TM-76B))

Course Number: ABR31433N.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 23–25 weeks (600–650 hours).
Exhibit Dates: 9/61–12/68.
Objectives: To train airmen to perform as Mace and TM-76B tactical missile launch specialists.
Instruction: Lectures and practical exercises in the duties of TM-76B tactical missile launch specialists, including electronic fundamentals; direct current; use of meters; series resistance; parallel resistive circuits; series-parallel resistance and bridge circuits; generation of AC and DC voltages; frequency spectrum; inductance, capacitance, reactance, impedance and transformers; alternating current; reactive circuits; series and parallel RC, RL, and RCL circuits and resonance; vacuum tubes and solid-state devices; and amplifiers and oscillators.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0658

MISSILE LAUNCH OFFICER (CGM-13B)
(Missile Launch Officer (MACE, MGM-13C))
(Missile Launch Officer (TM-76B))
(Missile Launch Officer (TM-76B))
(Guided Missile Operations Officer (TM-76B))

Course Number: OBR1821N; OBR1821C-2; OBR1821-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 18–19 weeks (540–570 hours).
Exhibit Dates: 12/60–12/68.
Objectives: To qualify officers as MGM-13C missile launch officers or TM-76B guided missile operations officers.
Instruction: Lectures and practical exercises in operation and supervision of MGM-13C MACE tactical missile launch activities, and in the duties of TM-76B guided missile operations officers, including electronic principles; MGM-13C weapon system, missile systems, flight controls, and inertial guidance; LAGG principles; launch familiarization; launch area operations and maintenance; guided missile operations fundamentals; vacuum tubes and circuits; servos controllers; introduction to TM-76B missile systems, flight controls; and inertial guidance; and nuclear weapons orientation.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74).

AF-1715-0663

MISSILE LAUNCH/MISSILE OFFICER (BALLISTIC MISSILES)
(Guided Missile Operations/Maintenance Officer (Ballistic Missiles))

Course Number: OBR1821; OBR3121-3; OBR1821B.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 7–12 weeks (210–360 hours).
Exhibit Dates: 12/60–12/68.
Objectives: To train officers in missile skills as a prerequisite to specialized training in Atlas and Titan missile support.
Instruction: Lectures and practical exercises in missile skills, including missile fundamentals, pneudraulic principles, electrical and electronic fundamentals, guidance systems, and test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0666

TACTICAL MISSILE LAUNCH SPECIALIST (MGM-13A)

Course Number: ABR31433M.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 16–26 weeks (438–690 hours).
Exhibit Dates: 5/64–12/68.
Objectives: To train enlisted personnel to operate, maintain, and perform check-out procedures on TM-76A missile systems and associated launch area check-out equipment.
Instruction: Lectures and practical exercises in electronics fundamentals and the operation, maintenance and check-out of TM-76A missile systems and associated launch area check-out equipment, including AC and DC; tubes and transistors; amplifiers and oscillators; principles of missile systems; flight control system; guidance radar system; ground equipment; power distribution; communications systems; and specific equipment components and systems. Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and electrical test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electricity and electronics and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0667

TACTICAL MISSILE LAUNCH SPECIALIST (MGM-13A)

Course Number: ALR31433M; ALR31453M.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 15–23 weeks (438–690 hours).
Exhibit Dates: 5/64–12/68.
Objectives: To train enlisted personnel to operate, maintain, and perform check-out procedures on TM-76A missile systems and associated launch area check-out equipment.
Instruction: Lectures and practical exercises in electronics fundamentals and the operation, maintenance, and check-out of TM-76A missile systems and associated launch area check-out equipment, including AC and DC; tubes; transistors; amplifiers and oscillators; principles of missile systems; flight control system; guidance radar system; ground equipment; power distribution; communications systems; and specific equipment components and systems. Includes power supplies, wave-shaping circuits, AM, FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, microwave principles, and electrical test equipment.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0668

MISSILE SYSTEMS ANALYST SPECIALIST (TM-76B)

Course Number: ABR31430G.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 23 weeks (600 hours).
Exhibit Dates: 2/60–12/68.
Objectives: To train basic airmen as apprentice TM-76B missile systems analyst specialists.
Instruction: Lectures and practical exercises in missile systems analysis, including DC, AC and reactive circuits, vacuum tubes and transistors, amplifiers and oscillators, motors and generators, inertial guidance fundamentals, power supplies, flight controls and gyroscopes, test set operation, launch area equipment operation, and troubleshooting techniques.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74).

AF-1715-0671

1. MISSILE GUIDANCE AND CONTROL SPECIALIST (AIM) (ADC)
2. MISSILE GUIDANCE AND CONTROL SPECIALIST (AIM)

Course Number: *Version 1:* 3ABR31631L-2. *Version 2:* ABR31631L-2.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 21–27 weeks (642–780 hours). *Version 2:* 28 weeks (810 hours).
Exhibit Dates: *Version 1:* 2/68–12/73. *Version 2:* 7/66–1/68.
Objectives: To train enlisted personnel to be missile guidance and control specialists.
Instruction: Lectures and practical exercises in electronic principles, including AC and DC circuit theory, Ohm's law, Kerchoff's law, transistors, vacuum tubes, basic rectifiers, oscillators, and wave-shaping circuits; and missile guidance systems, including circuit analysis, test equipment operation and calibration, missile check-out equipment, ground support equipment, and troubleshooting procedures.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory, and credit in electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in electronics laboratory, and additional credit in electronics on the basis of institutional evaluation (6/74).

AF-1715-0672

GUIDANCE AND CONTROL OFFICER (RIGS) (HGM-25A)
(Guidance and Control Officer (RIGS) (SM-68A))
(Guidance Control Officer (RIGS) (SM-68))

Course Number: OZR3044-6; OZR3044D; OTS3044-4.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 15 weeks (450 hours).
Exhibit Dates: 4/61–12/68.

BEST COPY AVAILABLE

Objectives: To train guidance control officers in the operation, maintenance, and logistics of the Titan I ground guidance system.

Instruction: Lectures and practical exercises in the operation, maintenance, and applicable logistics of the Titan I ground guidance system, including missile familiarization, computer fundamentals (digital computers, Boolean algebra, digital electronics, basic programming), computer control and storage, input/output power, ground equipment, data flow, guidance radar, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in data processing or computer principles (12/68).

AF-1715-0677

ELECTRONIC COMPUTER REPAIRMAN PUIC AN/GSA-51A

Course Number: 3ABR30533C.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 42 weeks (1200 hours).

Exhibit Dates: 8/70–12/73.

Objectives: To train enlisted personnel to repair computer systems.

Instruction: Lectures and practical exercises in the repair of computer systems. Course includes computer system operation, memory function, timing, and logic, programming and machine language; hardware routines and basic instructions, input-output timing, and tape and drum systems; and troubleshooting.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in digital technology on the basis of institutional evaluation (7/74).

AF-1715-0683

WEATHER EQUIPMENT SUPERINTENDENT

Course Number: AAR30290; AA25100.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 19–28 weeks (570–840 hours).

Exhibit Dates: 3/55–12/68.

Objectives: To train weather equipment supervisors and technicians to perform as weather equipment superintendents.

Instruction: Lectures and practical exercises in the installation, maintenance, and operation of meteorological equipment, including electrical mathematics, theory and application of meteorological measurements, staff technical writing and composition, advanced electronics, current weather equipment, maintenance and installation management, and site surveying and installation of equipment. Topics include mathematics, advanced radar component circuit analysis, advanced radar circuit analysis, telemetering systems and familiarization with specific new weather equipment, administrative practices, and site surveying.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business and management (12/68).

AF-1715-0687

AIRCRAFT CONTROL AND WARNING RADAR REPAIRMAN

Course Number: *Version 1:* 3ABR30332. *Version 2:* 3ABR30332; ABR30332. *Version 3:* ABR30332.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 35–37 weeks (1050 hours). *Version 2:* 39–41 weeks (1162–1170 hours). *Version 3:* 44–45 weeks (1230–1260 hours).

Exhibit Dates: *Version 1:* 6/71–12/73. *Version 2:* 2/64–5/71. *Version 3:* 5/59–1/64.

Objectives: To train airmen to perform as aircraft control and warning radar repairmen.

Instruction: *All Versions:* Lectures and practical exercises in the duties of aircraft control and warning radar repairmen and in electronic principles, including DC and AC circuits, magnetism, resonance, diodes, transistors and solid-state systems, vacuum tubes, amplifiers and oscillators, motors, multivibrators, microwave principles, receiver principles, cavity resonators, UHF and microwave oscillators, electrical test equipment, various modulation and demodulation systems, transmission lines, synchros, pulsed and blocking oscillators, regulators, radar principles, transmitters, antenna positioning and indicator systems, and systems maintenance and associated equipment. *Version 1:* Includes binary and octal numbers, truth tables, Boolean algebra, logic function diagrams, circuits, counters and storage devices, magnetron transmitters and linear receivers, Klystron transmitter, clutter elimination, and identification systems. *Version 2:* Includes clutter elimination and special-purpose tubes. *Version 3:* Includes reactive circuits, special-purpose tubes, principles of IFF and coder systems, and SIF passive and active systems.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in electronic instrumentation laboratory, 1 in electronics laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electronic instrumentation laboratory (6/74). *Version 3:* In the upper-division baccalaureate category, 3 semester hours as a technical elective in electronics for non-engineering majors, or 2 in electricity or electronic laboratory (6/74).

AF-1715-0588

FIRE CONTROL SYSTEMS MECHANIC (MA-7 SYSTEM)

Course Number: AB32230K.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 32 weeks (870 hours).

Exhibit Dates: 8/57–12/68.

Objectives: To train airmen to operate, troubleshoot, maintain, and repair the MA-7 fire control systems installed in the F-101 aircraft.

Instruction: Lectures and practical exercises in fire control system maintenance, including fundamentals of electricity; amplifiers, oscillators, and sweep generators; radar principles; servomechanism principles; general operation and service section; transmitter and receiver; video and range loops; antenna-positioning loop; sight and attack display; bombing computers; MA-7 fire control system tie-in; and field exercises.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory (6/74).

AF-1715-0689

WEAPONS CONTROL SYSTEMS MECHANIC (E-9, MG-12 SYSTEMS)

Course Number: AL32231E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 23 weeks (690 hours).

Exhibit Dates: 3/58–9/60.

Objectives: To train personnel as weapons control systems mechanics for the E-9 and MG-12 systems.

Instruction: Lectures and practical exercises in weapons control systems repair, including introduction to channel B; service function; intelligence gathering; antenna positioning; computer; optics and self-tests; fighter missile system; system tie-in; and field exercises.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hours in electrical laboratory (6/74).

AF-1715-0690

1. WEAPONS CONTROL SYSTEMS MECHANIC (MG-12 SYSTEM)
2. WEAPONS CONTROL SYSTEMS MECHANIC (E-9 SYSTEM)

(Weapons Control Systems Mechanic (E-9, MG-12 Systems))

Course Number: *Version 1:* ABR32231E-2. *Version 2:* ABR32231E-1; AB32231E.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 37–39 weeks (1110–1170 hours). *Version 2:* 42 weeks (1170 hours).

Exhibit Dates: *Version 1:* 10/60–12/68. *Version 2:* 8/57–9/60.

Objectives: To train personnel as weapons control systems mechanics for the F-9 and MG-12 systems.

Instruction: Lectures and practical exercises in weapons control systems repair, including fundamentals of electricity; fundamentals of AC and DC, vacuum tubes and power supplies; amplifiers, oscillators and sweep generators; radar principles; servomechanism principles; introduction to channel B; service function; intelligence gathering; antenna positioning; computer; optics and self-tests; fighter missile system; system tie-in; reactive circuits; special circuits; microwave operation; timing and firing function; attack steering function; attack display function; optical steering and tracking; field exercises; and system troubleshooting.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory (6/74).

AF-1715-0692

MISSILE LAUNCH OFFICER, LGM-25

(Missile Launch/Missile Officer (LGM-25))

Course Number: 3OBR1821F; 3OBR3121F; OBR3121F; OBR1821F.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 13–14 weeks (378–420 hours).

Exhibit Dates: 8/66–12/73.

Objectives: To train officers in Titan II missile systems support.

Instruction: Lectures and practical exercises in Titan II missile systems support, including ballistic missile theory, weapon system familiarization, electronic principles (DC, AC, components theory), inertial guidance principles, guidance systems, propulsion, flight control and hydraulic systems, systems integration, launch control operation and troubleshooting, facility pneudraulics and associated equipment, various missile subsystems, and power generation and distribution. Includes communications system and components.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in electrical laboratory (6/74).

AF-1715-0693

MISSILE MECHANIC (AGM-28A/B) (Missile Mechanic (GAM-77))

Course Number: 3ABR44330Q; ABR44330Q-1; ABR44330Z-1; ABR44330-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 18–23 weeks (510–600 hours).

Exhibit Dates: 4/61–12/73.

Objectives: To train enlisted personnel to maintain the AGM 28A/B missile.

Instruction: Lectures and practical exercises in the maintenance of the AGM 28A/B missile, including missile mechanics, electrical and electronic fundamentals, maintenance management, missile hydraulic systems, fundamentals of jet propulsion and planned inspections.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in electronics, 2 in hydraulics, and 2 as an elective in vocational/technical programs (7/74).

AF-1715-0696

GROUND COMMUNICATIONS EQUIPMENT REPAIRMAN (LIGHT)

Course Number: ABR30432.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 32–38 weeks (870–1050 hours).

Exhibit Dates: 9/58–12/68.

Objectives: To train enlisted personnel to operate, adjust, maintain, and repair low-power ground communications equipment.

Instruction: Lectures and practical exercises in electronic principles, circuit analysis, UHF and HF transmitters and receivers, radio teletype, direction finding, TV systems and associated test equipment, vacuum tube and transistor principles, multichannel tranceivers, and communications systems. Instruction is descriptive rather than analytical.

Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in electronics, and credit in electrical laboratory on the basis of institutional evaluation (12/68).

AF-1715-0699

WEAPONS CONTROL SYSTEMS TECHNICIAN (MG-13 DATA FLOW)

Course Number: AAR32271F-2.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 29 weeks (870 hours).

Exhibit Dates: 11/58–12/68.

Objectives: To train enlisted personnel to troubleshoot and repair weapons control systems; repair and harmonize weapons control systems; perform weapons control systems inspections; and supervise weapons control systems personnel.

Instruction: Lectures and practical exercises in the maintenance, inspection, and repair of weapons control systems. Course includes fundamentals of electronics, systems and computer self-tests, power generation and distribution, radar ranging function, antenna positioning, flight sensing function, and ballistic functions.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in basic electronics (7/74).

AF-1715-0701

ELECTRONIC DIGITAL DATA PROCESSING EQUIPMENT REPAIRMAN (BALLISTIC MISSILE GUIDANCE COMPUTER) (SM-65D)

Course Number: ABR30531E-1.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 38 weeks (1050 hours).

Exhibit Dates: 9/61–12/68.

Objectives: To train enlisted personnel to operate, maintain, and repair the AN/GSQ-33 ground guidance digital computer and specialized computer test equipment.

Instruction: Lectures and practical exercises in the AN/GSQ-33 ground guidance digital computer and specialized computer test equipment operation, maintenance, and repair, including program, memory, and arithmetic units; inputs, outputs, simulator, and printer, computer checks and troubleshooting; test console; plug-in unit test set and power supply tester; and computer and package troubleshooting. Additional instruction in electronic fundamentals for digital data processing equipment repairmen, including DC electrostatic principles through series-parallel circuits; AC principles through series-parallel resonant circuits; motors; saturable reactors; magnetic amplifiers; servos, synchros, and servo amplifiers; fundamentals of tubes and transistors; rectifiers; filters; time constants; power supplies; voltage regulators; soldering techniques; triodes; tetrodes; pentodes; transistors; special-purpose tubes; amplifiers and oscillators, including blocking oscillators, passive and active limiters, clampers, and amplifier circuits; synchroscope; transients; shock-excited Hartley, Astabel, oneshot, and bistabe multivibrators; thyratron, sawtooth, trapezoidal, and transistor sweep circuits; computer circuits and computing techniques; binary, octal, and binary excess-three codes; computer history, AN-OR gates, matrices, Boolean algebra, logic generators, and associated circuits; special-purpose amplifiers and gating circuits; counters, count detection, decoders, encoders, registers; conversion circuits, memory circuits and storage devices; input/output devices; and coding principles.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in electricity or electronics (4/74).

AF-1715-0705

GROUND RADIO REPAIRMAN

Course Number: AB30430.

Location: 3310th Technical School, Scott AFB, IL.

Length: 33 weeks (960 hours).

Exhibit Dates: 12/54–12/68.

Objectives: To train airmen to operate, maintain, and repair ground radio and related navigational equipment.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of ground radio and related navigational equipment, including basic radio electronics, electron tubes, receivers and transmitters, circuit applications, pulse techniques, air traffic control, radio relay equipment, point-to-point communications, and teletype and teletypewriter equipment.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (7/74).

AF-1715-0705

1. FLIGHT SIMULATOR SPECIALIST
2. FLIGHT SIMULATOR SPECIALIST
3. FLIGHT SIMULATOR SPECIALIST
4. FLIGHT SIMULATOR SPECIALIST
5. FLIGHT SIMULATOR FUNDAMENTALS

Course Number: *Version 1:* 3ABR34230. *Version 2:* 3ABR34230. *Version 3:* ABR34230. *Version 4:* ABR34230. *Version 5:* AF34220.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL. *Version 3:* 3345th Technical School, Chanute AFB, IL. *Version 4:* 3345th Technical School, Chanute AFB, IL. *Version 5:* 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 32 weeks (1230 hours). *Version 2:* 32 weeks (960 hours). *Version 3:* 35–36 weeks (960–990 hours). *Version 4:* 23 weeks (600 hours). *Version 5:* 25 weeks (750 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 8/72–6/73. *Version 3:* 7/65–7/72. *Version 4:* 12/59–6/65. *Version 5:* 2/54–11/59.

Objectives: To train airmen to perform as flight simulator specialists.

Instruction: *All Versions:* Lectures and practical exercises in the maintenance and repair of flight simulators, including AC and DC circuits, electron tubes, servo systems, power supplies, amplifiers and oscillators; principles and applications of aerodynamics; radio procedures; navigation; engine systems; troubleshooting procedures; and flight simulator operation, components, and test equipment. *Version 1:* Includes missile systems fundamentals, electrical circuits, inspection, and maintenance; vacuum tube and transistor circuits; basic digital computers; missile airborne motor operation and check-out, generators, frequency controllers and servo systems, radio guidance principles, and inertial guidance; motors and synchros; velocities, rates, and angles; soldering; digital computer mathematics and logic devices, Boolean algebra, input/output devices, programming principles, general purpose computer, and radar and closed-circuit TV principles and applications to flight simulators. *Version 2:* Includes diodes and transistor circuits, resonance, introduction to magnetism, motors and synchros, multivibrators, blocking oscillators, AM systems, transmission lines and antennas, transmitters, wave-guides, cavity resonators, and UHF and microwave equipment; digital techniques; binary and octal numbers; logic functions; Boolean algebra; logic diagrams; circuits; counters and storage devices; programming principles; input/output devices; jet engine computer theory; velocities, rates, and angles; maintenance management; and radar and closed-circuit TV principles and applications to flight simulators. *Version 3:* Includes resonance, introduction to magnetism, motors and synchros, multivibrators, blocking oscillators, AM systems, transmission lines and antennas, transmitters, wave-guides, cavity resonators, UHF and microwave equipment; computer mathematics (rate and functions), digital computer logic and circuit diagrams; maintenance management; and radar and closed-circuit TV principles and applications to flight simulators. *Version 4:* Includes motors and generators, special-purpose tubes, and computer circuits. *Version 5:* Includes special circuits, synchros, and magnetism.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 se-

BEST COPY AVAILABLE

mester hours in computer fundamentals, 3 in electricity or electronics, 1 in electrical laboratory (7/74). *Version 2:* In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory (7/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory, 1 in analog and digital computer fundamentals, 1 as a technical elective in applied mathematics (7/74). *Version 4:* in the upper-division baccalaureate category, 1 semester hour in electrical laboratory (7/74). *Version 5:* in the upper-division baccalaureate category, 1 semester hour in electrical laboratory (7/74).

AF-1715-0708

FIRE CONTROL SYSTEMS MECHANIC (MG-10 SERIES DATA FLOW SPECIALIST)

Course Number: AB32231.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 36 weeks (1080 hours).

Exhibit Dates: 1/56-12/68.

Objectives: To train airmen to perform data flow system analysis, and to align, adjust, and troubleshoot the MG-10 fire control system.

Instruction: Lectures and practical exercises in data flow system analysis and the alignment, adjustment, and troubleshooting of the MG-10 fire control system, including DC and AC fundamentals, vacuum tube electronics, and block-diagram analysis and signal flow theory as related to intelligence gathering, antenna positioning, and computer loops and system tie-in.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory for technical students (7/74).

AF-1715-0709

AIRBORNE COMMAND POST COMMUNICATIONS EQUIPMENT (CE) REPAIRMAN

Course Number: 3ALR32850A-1; 3ALR30150A-1.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 23-24 weeks (690-720 hours).

Exhibit Dates: 9/70-12/73.

Objectives: To train airmen to maintain airborne command post communications equipment.

Instruction: Lectures and practical exercises in the maintenance of airborne command post communications equipment, including digital and solid-state techniques, Boolean algebra, UHF radio system analysis, multiplex system analysis and accessories, switchboard analysis CSA and APM, SATCOM system analysis, and specific transmit and receive systems equipment analysis.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical or electronics laboratory (7/74).

AF-1715-0711

MISSILE ELECTRONIC EQUIPMENT SPECIALIST, WS-133A-M

Course Number: 3ABR31632G-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 34-38 weeks (1020-1307 hours).

Exhibit Dates: 1/71-12/73.

Objectives: To train airmen as missile electronic equipment specialists.

Instruction: Lectures and practical exercises in the operation, maintenance, and repair of missile electronic launch equipment and in electronic principles, including AC and DC circuits, resonance, introduction to magnetism, motors and synchros; electron tubes, power supplies, regulators, multivibrators, blocking oscillators, and AM systems; transmission lines, antennas, transmitters, wave guides, cavity resonators, and UHF and microwave oscillators and amplifiers; electrical test equipment; diode and transistor circuits, digital techniques, binary and octal numbers, logic functions, truth tables, Boolean algebra, logic diagrams, circuits, counters, and storage devices; analysis of launch equipment, test equipment malfunctions, removal and installation of modules and components of WS-133A-M launch equipment, weapon system logic, UHF command radio system, voice reporting signal assembly, control guidance coupler, data analysis central equipment, and troubleshooting procedures.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical or electronic laboratory (7/74).

AF-1715-0712

MISSILE GUIDANCE AND CONTROL SPECIALIST (AGM/AIM)TAC

Course Number: *Version 1:* 3ABR31631L-3. *Version 2:* 3ABR31631L-3. *Version 3:* ABR31531L-3.

Location: 3415th Technical School, Lowry AFB, CO.

Length: *Version 1:* 19 weeks (582 hours). *Version 2:* 24 weeks (690 hours). *Version 3:* 26 weeks (750 hours).

Exhibit Dates: *Version 1:* 1/71-12/73. *Version 2:* 5/68-12/70. *Version 3:* 7/67-4/68.

Objectives: To train technicians to operate, maintain, and reapir AGM/AIM TAC guided missile systems.

Instruction: Lectures and practical exercises in electronic principles, including AC and DC fundamentals, tubes, transistors, power supplies, regulation, amplifiers, oscillators, wave-shaping circuits, AM and FM, single sideband, transmission lines and antennas, servomechanisms, cavity resonators, hand tools operation, multimeters, oscilloscopes, and microwave principles; and guided missile systems operation, maintenance, and repair, including components, block-diagram analysis, and troubleshooting techniques.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 7 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in electronics, 2 in electronics as a technical elective for non-technical students, and additional credit in electronics on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, 7 semester hours in electronics and additional credit in electronics on the basis of institutional evaluation (7/74).

AF-1715-0713

1. MISSILE CONTROL COMMUNICATIONS SYSTEMS REPAIRMAN
2. MISSILE CONTROL COMMUNICATIONS SYSTEMS REPAIRMAN
3. TELEPHONE SWITCHING EQUIPMENT SPECIALIST (COMBAT OPERATIONS SUPPORT)

Course Number: *Version 1:* 3ABR36233. *Version 2:* 3ABR36233; ABR36233. *Version 3:* ABR36231B.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 27 weeks (810 hours). *Version 2:* 28-30 weeks (810 hours). *Version 3:* 33 weeks (900-990 hours).

Exhibit Dates: *Version 1:* 9/71-12/73. *Version 2:* 4/65-8/71. *Version 3:* 1/64-3/65.

Objectives: To train airmen as missile control communications systems repairmen or as telephone switching equipment specialists.

Instruction: *All Versions:* Lectures and practical exercises in electronics fundamentals and the repair of missile control communications systems or telephone switching equipment, including DC and AC circuits, reactance, principles of vacuum tubes and transistors, amplifiers and oscillators, relays and relay adjustment, Titan II communications equipment, and maintenance management and troubleshooting techniques. *Version 1:* Includes computer principles, airborne power supplies and controllers, missile systems principles; soldering equipment, test equipment, solid-state application in wave generation, digital techniques (Boolean equations, number systems, truth tables, counters and storage devices, and logic diagrams and circuits), SAC and CTE equipment analysis, maintenance of Minuteman wire communications, and Titan II radio signaling control equipment. *Version 2:* Includes computer principles, airborne power supplies and controllers, missile systems principles, soldering techniques, test equipment, multivibrators, logic mathematics, symbols and circuits, Minuteman wire communications and cable monitor equipment, and SAT and CTE equipment analysis. *Version 3:* Includes switching center principles, cable procedures, switchboard circuitry, ground telephone assembly and operation, Atlas switching equipment, and Atlas and Titan I launch-enable system equipment analysis.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, 1 in electrical laboratory, 1 as a technical elective for non-engineering majors, and additional credit in electronics laboratory on the basis of institutional evaluation (7/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in electricity or electronics, 1 in electrical laboratory, 1 as a technical elective for non-engineering majors, and additional credit in electronics laboratory on the basis of institutional evaluation (7/74). *Version 3:* In the upper-division baccalaureate category, 1 semester hour in electrical laboratory, 1 as a technical elective for non-engineering majors (7/74).

AF-1715-0714

MISSILE ELECTRONIC EQUIPMENT TECHNICIAN WS-133(CDB)

Course Number: 3AZR31672G-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL.

Length: 5 weeks (253 hours).

Exhibit Dates: 9/73-12/73.

Objectives: To train electronics technicians to maintain and repair missile support equipment.

Instruction: Lectures and practical exercises in the repair and maintenance of mis-

BEST COPY AVAILABLE

sile support equipment. Course includes circuit and block-diagram analysis of electronic equipment, troubleshooting procedures, and alignment techniques.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electronics laboratory as an elective for non-engineering students (7/74).

AF-1715-0715

MISSILE LAUNCH/MISSILE OFFICER (SM-65D)

Course Number: OZR1821B; OZR3121B-3.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 8 weeks (240 hours).

Exhibit Dates: 1/62-12/68.

Objectives: To train officers to be missile officers.

Instruction: Lectures and practical exercises in missile systems and associated ground equipment, flight and launch control systems, and facility systems familiarization and operation.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour as a technical elective in electricity for non-technical students (7/74).

AF-1715-0719

INSTRUMENTATION MECHANIC

Course Number: ABR31730.

Location: 3415th Technical School, Lowry AFB, CO.

Length: 30-35 weeks (810-960 hours).

Exhibit Dates: 2/63-4/68.

Objectives: To train enlisted personnel to calibrate, maintain, troubleshoot, and repair time-and-frequency multiplexing and demultiplexing systems and digital data-acquisition equipment.

Instruction: Lectures and practical exercises in electronics fundamentals and the calibration, maintenance, troubleshooting, and repair of time-and-frequency multiplexing and demultiplexing systems and digital data-acquisition equipment, including AC and DC fundamentals, modulation systems, vacuum tubes and transistors, and amplifiers, frequency-and-time multiplexing components; airborne data-acquisition-set components; airborne and ground analog and digital equipment; signal conditioning and time-division multiplexing; telemetric systems components; spectrum analysis; digital, oscillographic, and magnetic tape recording, video recording, closed-circuit television procedures and equipment; and special test equipment. Includes power supplies, wave-shaping circuits, single sideband, transmission lines and antennas, cavity resonators, servomechanisms, and microwave principles; physics, transducers, and signal conditioners; transmitters, receivers, sensors, and monitoring principles; optics and photography; height-finder equipment; commutation and decommutation; theodolites; integrated systems; and electrical test equipment.

Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in electronics and credit in electronics and electrical laboratory on the basis of institutional evaluation (7/74).

AF-1715-0721

WEAPONS CONTROLLER (ECCM OPERATIONS OFFICER)/ELECTRONIC WARFARE COUNTERMEASURES SPECIALIST

(Weapons Controller (ECCM Operations Officer))

Course Number: 3ALR27631; 3OLR1741D; OBR1741D.

Location: School of Applied Aerospace Sciences, Keesler AFB, MS; 3380th Technical School, Keesler AFB, MS.

Length: 10-44 weeks (394-1320 hours).

Exhibit Dates: 2/64-12/73.

Objectives: To train personnel as weapons controllers.

Instruction: Lectures and practical exercises in the basic application of electronic principles, description and principles of electronic circuitry included in typical current radars, data processing and data transmission equipment, comprehensive theory of electronic countermeasures and countercountermeasures, circuits used to effect ECM and ECCM, duties of Radar Inputs and Countermeasures Officer position, and practical applications of ECCM equipment in a simulated ECM environment. Topics include development of electronic principles and applications to electronic equipment, technical publications, functional block diagrams, including operational adjustments of modern AC & W radar equipment, principles of data processing equipment, recognition and identification of jamming and the use, application, and operation of appropriate ECCM devices available to counteract the effects of undesirable signals.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in electrical laboratory on the basis of institutional evaluation (7/74).

AF-1715-0722

1. COMPUTER MAINTENANCE OFFICER (Electronic Computer Maintenance Officer)
2. ELECTRONIC COMPUTER MAINTENANCE OFFICER

Course Number: *Version 1:* 3OBR3061. *Version 2:* OBR3061.

Location: 3380th Technical School, Keesler AFB, MS.

Length: *Version 1:* 34-41 weeks (1020-1230 hours). *Version 2:* 46 weeks (1380 hours).

Exhibit Dates: *Version 1:* 11/65-Present. *Version 2:* 9/62-10/65.

Objectives: To train computer maintenance personnel in computer systems maintenance programming and functional analysis.

Instruction: *All Versions:* Lectures and practical exercises in introductory computer programming, solid-state computer system electrical and mechanical component analysis, central processor logic analysis and maintenance programming, and communications security. *Version 2:* Instruction emphasizes vacuum tube electronics.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in computer principles, and credit in basic electronics on the basis of institutional evaluation (6/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in computer principles, 2 in maintenance management, 4 in electricity or electronics, and credit in electrical laboratory on the basis of institutional evaluation (6/74).

AF-1716-0001

FABRIC AND RUBBER PRODUCTS SPECIALIST

(Fabric, Leather and Rubber Products Repairman)

Course Number: 3ABR58230; AB58230.

Location: Chanute Technical Training Center, Chanute AFB, IL.

Length: 11-18 weeks (330-510 hours).

Exhibit Dates: 5/58-12/73.

Objectives: To train airmen to inspect, maintain, repair, and fabricate items made of fabric, leather, rubber, and other materials.

Instruction: Lectures and practical exercises in the inspection, maintenance, repair, and fabrication of items made of fabric, rubber, and other materials, including operation and maintenance of sewing machines; repair and alteration of flying and aircrew protective clothing and survival equipment; covering and doping of aircraft control surfaces; repair and fabrication of protective covers for ground support equipment; repair of life preservers and rafts; and practical work with leather. Includes maintenance of fire-fighter and high-altitude clothing and the identification, construction, handling and storage of aircraft fuel cells, bladder cells, tires and tubes, deicer shoes, and ground radomes.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in textile fabrication (6/74).

AF-1717-0001

PROPULSION SHOP MANAGEMENT

Course Number: AZR43270-9.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 3-4 weeks (114 hours).

Exhibit Dates: 1/67-6/68.

Objectives: To train enlisted personnel to manage a propulsion shop.

Instruction: Lectures and practical exercises in forecasting, work authorization, product and process planning, material control and management, scheduling and loading, dispatching, progress reporting, and corrective actions.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0002

AIRCRAFT MAINTENANCE STAFF OFFICER

(Aircraft Maintenance Management Officer)

(Aircraft Maintenance Officer)

Course Number: 3OAR4311; OAR4311; OA4311.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 6-9 weeks (168-270 hours).

Exhibit Dates: 5/56-12/73.

Objectives: To train enlisted personnel to perform as aircraft maintenance staff officers.

Instruction: Lectures and practical exercises in personnel management, human relations, maintenance policies, communicative skills, statistics and maintenance data collection, material control, quality control, aircraft accident investigation procedures, records and reports, and administrative and technical publications familiarization.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in shop management (12/68).

BEST COPY AVAILABLE

AF-1717-0003

AIRCRAFT MAINTENANCE OFFICER

Course Number: *Version 1:* 3OBR4021. *Version 2:* 3OBR4341; OBR4341. *Version 3:* OBR4341. *Version 4:* OBR4341.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 20–21 weeks (600–630 hours). *Version 2:* 30–31 weeks (900–918 hours). *Version 3:* 32 weeks (960 hours). *Version 4:* 35 weeks (1050 hours).

Exhibit Dates: *Version 1:* 3/71–12/73. *Version 2:* 6/62–2/71. *Version 3:* 12/60–5/62. *Version 4:* 3/55–11/60.

Objectives: To provide officers with training in aircraft maintenance procedures and management.

Instruction: *All Versions:* Lectures and practical experience in aircraft maintenance and management, including aircraft systems, components, and equipment familiarization; management and supervision; oral and written communications skills; human relations; and aircraft maintenance officer organizational and administrative duties and responsibilities. *Version 2:* Theory of flight; management principles. *Version 3:* Theory of flight; management principles. *Version 4:* Theory of flight; management principles.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 5 semester hours in business organization and management and additional credit in business organization and management on the basis of institutional evaluation (3/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in personnel management (12/68). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in business organization and management, 2 in personnel management (12/68). *Version 4:* In the upper-division baccalaureate category, 7 semester hours in business organization and management and additional credit in business organization and maintenance on the basis of institutional evaluation (12/68).

AF-1717-0004

AIRCRAFT MAINTENANCE/AVIONICS OFFICER ACCELERATED

Course Number: 3OBR4021; 3OBR4041-1.

Location: School of Applied Aerospace Science, Chanute AFB, IL.

Length: 6 weeks (168–222 hours).

Exhibit Dates: 8/72–12/73.

Objectives: To train officers in aircraft maintenance and avionics maintenance management.

Instruction: Lectures and practical exercises in the principles and concepts of maintenance management; personnel relations; maintenance organizations; planning and scheduling; manpower utilization and control; analysis; communicative skills; and associated supply and materiel functions.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in business organization and management (3/74).

AF-1717-0006

AIRCRAFT MAINTENANCE TECHNICIAN, JET ENGINE AIRCRAFT
(Aircraft Maintenance Technician, Jet Engine Type Aircraft)

Course Number: AAR43171E; AAR43171D; AA43171D.

Location: 3750th Technical School, Sheppard AFB, TX.

Length: 14–16 weeks (420–480 hours).

Exhibit Dates: 11/55–12/68.

Objectives: To train aircraft mechanics in maintenance management of jet engine aircraft.

Instruction: Lectures and practical exercises in supervision of maintenance personnel; publications and aircraft records; aircraft electric, hydraulic, fuel, indicator, and flight control systems; structural maintenance; corrosion control; weight and balance instruments; and jet engines, starters, and ground equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0008

GCA RADAR OFFICER

Course Number: OB3041A.

Location: 3380th Technical School, Keesler AFB, MS.

Length: 12 weeks (360 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train officers in radar system operation and maintenance.

Instruction: Lectures and practical exercises in radar system operation and maintenance, including radar system general characteristics, AC and DC circuit fundamentals, electron tubes and amplifiers, transmitters and receivers, transient circuits, microwave propagation, and management and security concepts and practices.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (4/74).

AF-1717-0009

1. PROGRAMS AND WORK CONTROL SPECIALIST
2. MAINTENANCE AND CONTROL SPECIALIST

Course Number: 3ALR55530-3.

Location: *Version 1:* School of Applied Aerospace Sciences, Sheppard AFB, TX. 3750th Technical School, Sheppard AFB, TX.

Length: *Version 1:* 8–9 weeks (240–320 hours). *Version 2:* 10 weeks (300 hours).

Exhibit Dates: *Version 1:* 5/69–12/73. *Version 2:* 11/67–4/69.

Objectives: To train airmen to perform as programs and work control or maintenance and control specialists.

Instruction: Lectures and practical exercises in programs and work control or maintenance and control, including planning or maintenance of plumbing and interior electric systems, scheduling procedures, and use of automatic data management systems. Includes program planning with emphasis on automation; planning structural, protective coating, masonry, and multishop work; production control, repair and maintenance of buildings and installed appliances; trouble analysis of low voltage electrical circuits; and planning fundamentals.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 2 semester hours in engineering management (5/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1717-0011

CONSOLIDATED MAINTENANCE MANAGEMENT (ADC)

Course Number: OZR4341.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (78–90 hours).

Exhibit Dates: 6/59–12/68.

Objectives: To train commissioned and warrant officers to manage and administrate a consolidated maintenance program.

Instruction: Lectures and practical exercises in consolidated maintenance management. Course includes administration procedures, organization, documentation, production control, performance standards and review, workloads and schedules, property and financial management, and quality control.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1717-0012

AEROSPACE GROUND EQUIPMENT REPAIR TECHNICIAN
(Aircraft and Missile Ground Support Equipment Repair)

Course Number: 3AAR42173; AAR42173; AAR42172.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8–12 weeks (240–480 hours).

Exhibit Dates: 2/61–6/73.

Objectives: To train airmen to repair and maintain aerospace ground equipment at the intermediate level.

Instruction: Lectures and practical exercises in the repair and maintenance of aerospace ground equipment, including electrical and electronic circuits, components, and test equipment, and the troubleshooting and maintenance of electric motors, gasoline engines, gas turbines, motors, engines, turbine-driven generator sets, air compressors, hydraulic support equipment, cabin leakage testers, ground heaters, and equipment coolers. Includes pressurizing equipment.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0014

AIRCRAFT MAINTENANCE OFFICER ACCELERATED

Course Number: 3OBR4021-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 8 weeks (240 hours).

Exhibit Dates: 3/71–12/73.

Objectives: To train selected commissioned officers to maintain aircraft.

Instruction: Lectures and practical exercises in the duties and responsibilities of an aircraft maintenance officer. Course includes instruction in aircraft maintenance management; policies and techniques; personnel relations; maintenance organizations; planning and scheduling; manpower utilization and control; maintenance data collection and analysis; communicative skills; associated supply and material functions; and related aircraft activities.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in aircraft maintenance management (6/74).

AF-1717-0015

MISSILE OFFICER, WS-133A
(Missile Officer, SM-80)

Course Number: OZR3121G-1; OZR3121D-1.

Location: 3345th Technical School, Chanute AFB, IL.

BEST COPY AVAILABLE

Length: 7–9 weeks (222–270 hours).
Exhibit Dates: 7/62–12/68.
Objectives: To train officers to supervise missile maintenance and alignment on the WS-133A weapon system.
Instruction: Lectures and practical exercises in WS-133A weapons system familiarization, missile facility systems, electronics, missile alignment, missile targeting, launch control and launch facilities, and maintenance management and responsibilities.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0016

MISSILE OFFICER, WS-133A

Course Number: 3OBR3121G; OBR3121G; OBR3121G-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 12–15 weeks (360–450 hours).
Exhibit Dates: 12/64–12/73.
Objectives: To train officers as missile officers for 133A weapons systems.
Instruction: Lectures and practical exercises in 133A weapons systems, including DC and AC circuits, generators and motors, solid-state devices, communications, power systems, guidance and control systems, operation and control of launch complex mechanical systems, maintenance management, weapon systems and electrical test equipment and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0017

MISSILE OFFICER, WS-133A

Course Number: OZR3121G.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 8–9 weeks (240–270 hours).
Exhibit Dates: 11/65–12/73.
Objectives: To train officers as missile officers for 133A weapons systems.
Instruction: Lectures and practical exercises in 133A weapons systems, including DC and AC circuits, generators and motors, solid-state devices, communications, power systems, guidance and control systems, operation and control of launch complex mechanical systems, maintenance management, aerospace ground equipment and testing equipment, and troubleshooting procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop managment (12/68).

AF-1717-0018

MISSILE OFFICER, WS-133B

Course Number: OZR3121G-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 8 weeks (240 hours).
Exhibit Dates: 4/65–12/68.
Objectives: To train officers as missile officers for WS-133B systems.
Instruction: Lectures and practical exercises in the duties of missile officers, including missile maintenance management; transportation and handling; troubleshooting and maintenance of WS-133B missile systems; logistics and administrative procedures; aerospace ground equipment and electronics; test equipment; launch facility equipment; and missile alignment and targeting procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0019

MISSILE OFFICER, WS-133A-M

Course Number: OBR-3121G-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 13 weeks (390 hours).
Exhibit Dates: 6/67–12/68.
Objectives: To train officers as WS-133A-M missile maintenance officers.
Instruction: Lectures and practical exercises in WS-133A-M missile maintenance activities, including fundamentals and theory of missile electrical and electronic systems, operation and control of launch complex mechanical systems, maintenance management, transport and handling, aerospace ground equipment, test equipment and troubleshooting procedures, targeting and alignment tasks of the weapon system, system configuration to the block-diagram level, and principles of guidance and control systems.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop management (12/68).

AF-1717-0021

GROUND EQUIPMENT MAINTENANCE OFFICER

Course Number: OBR4381; OB4381.
Location: *Version 1:* 3345th Technical School, Chanute AFB, IL. *Version 2:* 3450th Technical School, Warren AFB, WY.
Length: 9–10 weeks (270–300 hours).
Exhibit Dates: 4/54–12/68.
Objectives: To train officers to perform as ground equipment maintenance officers.
Instruction: Lectures and practical exercises in the duties of ground equipment maintenance officers, including motorized and miscellaneous equipment and maintenance functions; maintenance shop organization and layout; and personnel management, supervision and training.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in shop managment (12/68).

AF-1717-0023

MAINTENANCE MANAGEMENT

Course Number: OZR0066-2.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (108 hours).
Exhibit Dates: 1/63–12/68.
Objectives: To train enlisted personnel to understand maintenance management concepts and procedures.
Instruction: Lectures and practical exercises in maintenance management concepts and procedures. Course includes reporting, principles of management, managerial analysis and control, materials management, quality control and inspection procedures.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in maintenance management (12/68).

AF-1717-0024

AEROSPACE MUNITIONS STAFF OFFICER

Course Number: *All Versions:* 3OAR4611. *Version 2:* OAR4611.
Location: 3415th Technical School, Lowry AFB, CO.
Length: *Version 1:* 4–8 weeks (120–240 hours). *Version 2:* 13 weeks (390 hours).
Exhibit Dates: *Version 1:* 8/68–12/73. *Version 2:* 8/66–7/68.
Objectives: To train commissioned officers to perform as aerospace munitions staff officers.
Instruction: Lectures and practical exercises in the duties of an aerospace munitions staff officer. Course includes munitions management, budget estimating, research and development, and special military subjects.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 1 semester hour in principles of management (8/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in principles of management, and credit in oral and written communication on the basis of institutional evaluation (12/68).

AF-1717-0025

AIR FORCE BASE LEVEL MAINTENANCE MANAGEMENT

Course Number: 212.
Location: School of Systems and Logistics, Wright-Patterson AFB, OH.
Length: 2–3 weeks (84–90 hours).
Exhibit Dates: 12/69–6/74.
Objectives: To train base-level maintenance supervisors in management skills and maintenance management techniques.
Instruction: Lectures and practical exercises in management skills and maintenance management techniques, including maintenance in the USAF, management overview, equipment readiness, manpower management, configuration control, EOQ, remote terminal exercise, maintenance data collection, integrated logistics support, data processing and computer science, repair-cycle asset control, management engineering, Comm/Acft Main-Man-X, review management survey and management improvements, decision making, motivation, interrelations-supply/maintenance, and Log-Man-X Policy.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in principles of management (8/74); in the upper-division baccalaureate category, 1 semester hour in principles of management (8/74).

AF-1721-0007

PRECISION PHYSICAL MEASURING TECHNICIAN

Course Number: 3AZR2470-7.
Location: 3415th Technical School, Lowry AFB, CO.
Length: 8 weeks (240 hours).
Exhibit Dates: 3/69–12/73.
Objectives: To train personnel to perform requisite duties as precision physical measuring technicians.
Instruction: Lectures and practical exercises to include applied mathematics; principles of heat and temperature, force, weights and balances, and rotary motion; measurements and calibration techniques; metrology and physical concepts; principles of pressure, humidity and specific gravity, and viscosity and flow.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in metrology (5/74).

AF-1723-0001

MACHINIST

Course Number: 3ABR53130; ABR53130; AB53130.

BEST COPY AVAILABLE

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 14–20 weeks (420–570 hours).

Exhibit Dates: 2/55–12/73.

Objectives: To train enlisted personnel to be machinists.

Instruction: Lectures and practical exercises in drawing interpretation; applied shop mathematics; use of technical manuals; bench work and assembly practice; use of hand tools and precision measuring instruments; heat treatment; machine tool operations on drill presses, lathes, shapers, milling machines, contour machines, and precision grinders; and weapons and ground support equipment maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in machine trades or machine technology (5/74).

AF-1723-0002

MACHINIST

Course Number: 3AZR53150-1; AZR53150-1.

Location: School of Applied Aerospace Sciences, Chanute AFB, IL; 3345th Technical School, Chanute AFB, IL.

Length: 6 weeks (180–226 hours).

Exhibit Dates: 8/66–12/73.

Objectives: To train enlisted personnel having technical backgrounds at the craftsman level to design and fabricate tools, dies, jigs, and fixtures for weaponry maintenance.

Instruction: Lectures and practical exercises in metals analysis; drawing interpretation; precision measurement; bench work; heat treatment; machine tool operations on gear cutters, lathes, milling machines, shapers, and tool and cutter grinders; and design and fabrication of jigs, fixtures, punches and dies for weaponry maintenance.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in machinist trades or mechanical technology (5/74).

AF-1724-0002

NON-DESTRUCTIVE TESTING OF AIRCRAFT AND RELATED EQUIPMENT COMPONENTS

(Non-Destructive Testing)

Course Number: ATS53270-3.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 3 weeks (90 hours).

Exhibit Dates: 8/58–12/68.

Objectives: To train enlisted personnel in the procedures or techniques used in performing nondestructive testing.

Instruction: Lectures, demonstrations, and practical exercises in nondestructive testing. Topics include: principles, types, causes, and characteristics of discontinuities; preparation and cleaning of parts for testing; protective finishes; theory and methods of magnetic particle, penetrant, ultrasonic, and industrial x-ray and gamma ray (radio isotopes) inspection methods applied to the fabrication, overhaul, and periodic inspection of aircraft parts.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in materials testing, nondestructive testing, machine trades, or industrial technology (5/74).

AF-1724-0003

NON-DESTRUCTIVE INSPECTION SPECIALIST

Course Number: *Version 1:* 3ABR53630. *Version 2:* 3ABR53630; ABR53630.

Location: *Version 1:* School of Applied Aerospace Sciences, Chanute AFB, IL. *Version 2:* 3345th Technical School, Chanute AFB, IL.

Length: *Version 1:* 12 weeks (432 hours). *Version 2:* 12–13 weeks (360 hours).

Exhibit Dates: *Version 1:* 7/73–12/73. *Version 2:* 6/67–6/73.

Objectives: To train enlisted personnel as nondestructive inspection specialists.

Instruction: Lectures and practical exercises in maintenance and inspection systems, magnetic particle and liquid penetrant inspection methods, radiography, x-ray equipment operation, radiographic inspection and film processing, ultrasonic flaw and leak detection, and thickness measurement and eddy current inspection.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in materials testing, nondestructive testing, machine trades, and industrial technology (5/74). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in materials testing, nondestructive testing, machine trades, and industrial technology (5/74).

AF-1724-0004

NON-DESTRUCTIVE INSPECTION (T/A 455)

Course Number: AZR53250-1.

Location: 3345th Technical School, Chanute AFB, IL.

Length: 12 weeks (360 hours).

Exhibit Dates: 2/66–12/68.

Objectives: To train enlisted personnel in nondestructive inspection of weapons and equipment.

Instruction: Lectures and practical exercises in nondestructive inspection techniques. Topics include the preparation of metals and parts for inspection; procedures used in the nondestructive inspection of parts; magnetic particle, penetrant, ultrasonic, eddy current, conductivity meter, ultrasonic leak and radiographic inspection methods; types, causes and characteristics of discontinuities and defects; scope and conditions requiring nondestructive inspection; interpretation and evaluation of indication found by various methods of inspection; specifications and standards for inspection regulations governing radioisotopes; and applicable safety methods.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in materials testing, nondestructive testing, machine trades, or industrial technology (5/74).

AF-1728-0001

AIR POLICE NONCOMMISSIONED OFFICER (NCO)

(Air Police Supervisor)

Course Number: AA77170; 96170.

Location: 3625th Training Group, Parks AFB, CA.

Length: 8–12 weeks (240–390 hours).

Exhibit Dates: 3/54–12/68.

Objectives: To train air policemen to become air police supervisors.

Instruction: Lectures and practical experience in the principles of supervision and management, ethics and leadership, organization of air police units, basic air police weapons, unarmed combat, physical apprehension and restraining techniques, internal security, and law enforcement and correction.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in police science or police administration (2/74).

AF-1728-0002

SECURITY SPECIALIST BY CORRESPONDENCE

Course Number: 81150.

Location: Extension Course Institute, Gunter AFB, AL.

Length: Maximum of 52 weeks.

Exhibit Dates: 8/82–Present.

Objectives: To provide education and training in the techniques and applications of skills related to the physical protection of property, resources, and information.

Instruction: This correspondence course of instruction consists of on-the-job supervision and at-home studies. The home study provides the basic knowledge of security police functions and the on-the-job supervision provides the training to reinforce the home studies as well as provides for special requirements at the installation. The course contains security police history; legal considerations and provisions; communications; community relations; system security operations; protection of resources; accident, disaster, and incident scenes; security police duties, procedures, and tactics. There is a proctored final exam.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in industrial security, law enforcement, police science, or practicum in any of the above categories (7/84).

AF-1728-0003

SECURITY SUPERVISOR BY CORRESPONDENCE

Course Number: 81170.

Location: Extension Course Institute, Gunter AFB, AL.

Length: Maximum of 52 weeks.

Exhibit Dates: 4/82–Present.

Objectives: To provide educaton and training for a supervisory role in the techniques and applications of skills related to the physical protection of property, resources, and information.

Instruction: This correspondence course of instruction consists of on-the-job supervision and at-home studies. The home study provides advanced knowledge of security police functions and the on job supervision provides the training to reinforce the home studies as well as provides for special requirements of the installation. The course covers fundamental definitions in military security; access control; crime prevention; and human and community relations in an industrial security context; general security duties; jurisdiction and systems operations as related to the functions of a first level supervison. There is a proctored final examination.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in industrial security supervision, law enforcement supervision, or police science supervision (7/84).

AF-1728-0004

TRAFFIC MANAGEMENT AND ACCIDENT INVESTIGATION

Course Number: 3AZR81271-1.

Location: School of Applied Aerospace Sciences, Lackland AFB, TX.

BEST COPY AVAILABLE

Length: 4 weeks (150 hours).
Exhibit Dates: 3/73-12/73.
Objectives: To train airmen as traffic enforcement officers and accident investigators.
Instruction: Development of installation vehicle codes and traffic flow plans; traffic trends analysis; planning of traffic accident investigations; procedures for preparing and maintaining traffic reports and records, and utilizing graphs, charts, and maps.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in police traffic enforcement (1/74).

AF-1728-0005

RESERVE SPECIAL INVESTIGATIONS AND COUNTERINTELLIGENCE TRAINING (RESERVE REFRESHER)

Course Number: None.
Location: Special Investigations School (AFOSI), Washington, DC.
Length: 2 weeks (66 hours).
Exhibit Dates: 1/76-Present.
Objectives: To provide update training in current Special Investigations policies.
Instruction: Student learns the AFOSI reporting system and terminology used in criminal and counterintelligence matters, learns current policy in interviews and interrogations, and learns military law. Subjects covered include investigative administration and management, criminal and fraud investigations, investigative techniques, and counterintelligence.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in police administration/physical security (11/77).

AF-1728-0006

RESERVE SPECIAL INVESTIGATOR

Course Number: None.
Location: Special Investigations School (AFOSI), Washington, DC.
Length: 4 weeks (258 hours).
Exhibit Dates: 1/76-Present.
Objectives: To teach the student to conduct investigations.
Instruction: Student will learn the legal responsibilities imposed on him by military law and authority, to obtain information in accordance with current policies, and to incorporate data into reports of investigation. Topics include investigative orientation, communication skills, law, report writing, interviews and interrogation, criminal and fraud investigations, counterintelligence investigations, and investigative techniques. Course is taught in two 2-week segments.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in police administration/physical security (11/77).

AF-1728-0007

SECURITY POLICE STAFF OFFICER

Course Number: 3OAR8111.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 3 weeks (91-118 hours).
Exhibit Dates: 6/72-12/73.
Objectives: To provide officers with advanced career training in police management and administration.
Instruction: Planning and programing of aerospace systems security; administration and management of security programs; functions of law enforcement; Air Force corrections program; duties and responsibilities of the security police chief.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in police administration and management or public administration (1/74).

AF-1728-0008

SECURITY SPECIALIST

Course Number: 3ABR81130-1.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 5 weeks (150 hours).
Exhibit Dates: 9/72-12/73.
Objectives: To train airmen to perform basic duties as security specialists.
Instruction: Aerospace systems security; local ground defense of Air Force installations; use of security police and ground defense weapons.
Credit Recommendation: In the upper-division baccalaureate category, credit in police science or physical security on the basis of institutional evaluation (2/74).

AF-1728-0009

LAW ENFORCEMENT SPECIALIST BY CORRESPONDENCE

Course Number: 81152.
Location: Extension Course Institute, Gunter AFB, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 7/82-Present.
Objectives: To provide basic education and training for an entry-level law enforcement officer.
Instruction: This correspondence course of instruction consists of on-the-job supervision and at-home studies. The home study provides the basic knowledge of law enforcement functions and the on job supervision provides training to reinforce the home studies as well as provides for special requirements at the installation. The course contains arrest, search, and interrogation procedures; procuring statements from witnesses and suspects; basic rules of evidence; crime scene searches; note taking; collection of evidence; confrontation management; elementary corrections (custodial) procedures; accident, disaster, and incident scene investigations. Course has proctored final examination.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in law enforcement, police science, or practicum in either of these categories (7/84).

AF-1728-0010

LAW ENFORCEMENT SUPERVISOR BY CORRESPONDENCE

Course Number: 81172.
Location: Extension Course Institute, Gunter AFB, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 6/81-Present.
Objectives: To provide advanced education and training for a first-level law enforcement supervision.
Instruction: This course of instruction consists of on-the-job supervision and at-home studies. The home study provides advanced knowledge of law enforcement functions and the on job supervision provides the training to reinforce the home studies as well as provides for special requirements at the installation. The course consists of law enforcement duties; operations; resources protection; basic management; corrections (custodial); career training; protective measures; security operations and tactics; confrontation management; nuclear, biological, and chemical effects. Course has a proctored final examination.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in law enforcement supervision or police science supervision (7/84).

AF-1728-0016

SECURITY POLICE ADMINISTRATION
(Police Administration)

Course Number: 3AZR81291.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 3 weeks (85-113 hours).
Exhibit Dates: 10/72-12/73.
Objectives: To train noncommissioned officers and civilians in police administrative duties.
Instruction: Administration; policy formulation; activities coordination; monitoring and inspection of security policy programs; protection and management of resources; installation security and USAF corrections.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in criminal justice or physical security (1/74).

AF-1728-0018

SECURITY POLICE OFFICER
(Air Police Officer)

Course Number: 3OBR8121; OBR8121; OBR7721; OB7721.
Location: Lackland Military Training Center, Lackland AFB, TX; 3625th Training Group (ABD), Parks AFB, CA.
Length: 5-13 weeks (150-390 hours).
Exhibit Dates: 3/54-12/73.
Objectives: To train officers to manage security and law enforcement programs.
Instruction: Lectures and field exercises in installation security, training and operating local ground forces, maintenance of law and order, and confining and retraining prisoners.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in police administration (2/74).

AF-1728-0019

SECURITY POLICEMAN
(Air Policeman)
(Air Police (Basic))
(Air Policeman (Basic Air Police))

Course Number: 3ABR81130; ABR81130; ABR77130; AB96150; AB77130.
Location: Military Training Center, Lackland AFB, TX; 3625th Training Group (ABD), Parks AFB, CA.
Length: 6-13 weeks (155-372 hours).
Exhibit Dates: 3/54-12/73.
Objectives: To train airmen to perform duties as security policemen.
Instruction: Lectures and practical exercises in security, law enforcement, corrections, local ground defense, weapons, and field training.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in police administration or physical security (2/74).

AF-1728-0020

SPECIAL INVESTIGATORS
(Special Investigations and Counterintelli-

BEST COPY AVAILABLE

gence Specialist)
(Special Investigations and Counterintelligence Officer)

Course Number: 5ALO82130; 5OBO8221.
Location: Special Investigations School, Washington, DC.
Length: 10 weeks (336 hours).
Exhibit Dates: 9/62–Present.
Objectives: To train officers and enlisted personnel in the basic fundamentals and procedures of conducting investigations.
Instruction: Legal considerations; interviews; files and case management systems; formal reports of investigations; criminal, fraud, personnel security, and counterintelligence investigations; investigative techniques.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in police administration/physical security (2/74).

AF-1728-0026

LEGAL SERVICE SPECIALIST

Course Number: 3ALR70530.
Location: School of Applied Aerospace Sciences, Keesler AFB, MS.
Length: 6 weeks (178 hours).
Exhibit Dates: 1/73–12/73.
Objectives: To train personnel as legal services specialists.
Instruction: Lectures and practical exercises on the function of legal services specialists, including military justice and closed-microphone court reporting, legal administration, civil law, and Air Force claims.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in court reporting, 3 in criminal justice or criminology (7/74).

AF-1728-0027

JUDGE ADVOCATE STAFF OFFICER

Course Number: None.
Location: Institute for Professional Development, Maxwell AFB, AL.
Length: 6 weeks (187 hours).
Exhibit Dates: 8/72–Present.
Objectives: To orient newly commissioned lawyers to the military system of justice and to provide an overview of the applications of legal principles in the military establishment.
Instruction: Topics include: jurisdiction; court structure; legal processes; criminal and civil litigation; torts; claims; and forensic practices.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in criminal justice or criminology (7/74).

AF-1728-0028

SECURITY POLICE SUPERVISOR

Course Number: 3AZR81170; 3AAR81170.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX; 3275th Technical School, Lackland AFB, TX.
Length: 4 weeks (120 hours).
Exhibit Dates: 5/70–12/73.
Objectives: To train enlisted personnel to supervise a small police organization.
Instruction: Lectures and practical exercises in the administration and supervision of a small police organization. Course includes a review of police organizational procedures to include: report writing, public speaking, investigative techniques, legal studies, drug abuse, traffic control, crash investigation, physical security, and the employment of personnel and equipment.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in law enforcement, police administration, or criminal justice (7/74).

AF-1729-0002

1. COOK
2. COOKING

Course Number: *Version 1:* 3ABR62230. *All Versions:* 3ABR62230-1.
Location: *Version 1:* School of Applied Sciences, Lowry AFB, CO. 3380th Technical Training Wing, Keesler AFB, MS.
Length: *Version 1:* 8–12 weeks (240–360 hours). *Version 2:* 12 weeks (480 hours).
Exhibit Dates: *Version 1:* 5/58–12/73. *Version 2:* 5/55–4/58.
Objectives: To provide enlisted personnel with basic instruction in preparing, cooking, and serving food in unit, field, and inflight kitchens.
Instruction: Food preparation; inspection and storage of supplies; dining hall and kitchen sanitation; inspection procedures; use and care of food service equipment; nutrition.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in food preparation (12/73). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in food preparation (12/73).

AF-1729-0007

OPEN MESS MANAGEMENT

Course Number: OZR6411.1; ASA62470; 10-AF-62470.
Location: Quartermaster School, Ft Lee, VA.
Length: 7 weeks (228–231 hours).
Exhibit Dates: 8/60–12/64.
Objectives: To train officers, warrant officers and enlisted personnel who possess current food handler's certificates to perform as food service superintendents or steward supervisors.
Instruction: Lectures and practical exercises in duties of food service superintendents or steward supervisors, including operation and maintenance of equipment and facilities, storage and sanitation, management of open mess facilities (including recreational facilities), and formal events and entertainment programming; food planning and nutrition, food selection, cost control, and preparation and serving of buffet-type meals; and accounting and business law.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in instututional (culinary) management, 2 in introduction to food and nutrition (12/68).

AF-1729-0008

BAKER
(Baking)

Course Number: AB62130.
Location: 3450th Technical School, Warren AFB, WY.
Length: 12 weeks (318–480 hours).
Exhibit Dates: 3/55–12/68.
Objectives: To train airmen to bake bread, rolls, pies, cookies, and other baked products.
Instruction: Lectures and practical exercises in the principles and techniques of garrison and field baking, including small-quantity kitchen, and pastry bakery (integrated training). Topics include principles of nutrition, sanitation, rations procurement and storage, bread bakery (integrated training), production bread baking shop; preparation of specific doughs, breads, and cakes; and recipe breakdown.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in food management (8/74).

AF-1729-0009

1. DIET THERAPY SUPERVISOR
2. DIET SUPERVISOR

Course Number: *Version 1:* 3AAR62271. *Version 2:* AAR62271; AZR62271.
Location: 3750th Technical School, Sheppard AFB, TX. *Version 2:* Medical Service School, Gunter AFB, AL.
Length: *Version 1:* 5 weeks (150 hours). *Version 2:* 4–5 weeks (150–156 hours).
Exhibit Dates: *Version 1:* 9/70–12/73. *Version 2:* 9/65–8/70.
Objectives: To provide advanced career training to diet supervisory personnel.
Instruction: *All Versions:* Lectures and practical exercises in diet therapy, including regulations and manuals related to the operation of a medical food service and supervision and management of equipment, personnel, and subsistence in the operation of a food service department at Air Force medical treatment facilities. Emphasis is on subsistence accounting, cycle and selective menu planning and writing, food production and service, nutrition, and dietary treatment of diseases. *Version 1:* Topics include administration, applied therapeutic nutrition, food service management, disaster feeding, and menu costing. *Version 2:* Topics include food production and service, food service sanitation, nutrition and diet therapy, and administration.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in food management, 3 in food and beverage cost control (7/74). *Version 2:* In the upper-division baccalaureate category, 2 semester hours in food service management (12/68).

AF-1729-0010

APPRENTICE FOOD SERVICE SPECIALIST BY CORRESPONDENCE

Course Number: 62230.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 1/84–Present.
Objectives: This course provides an introduction to the food service industry, emphasizing sanitation procedures, food service equipment, food selections and preparation. Management techniques relating to the industry are also discussed.
Instruction: Instruction covers food service careers, hygiene standards, communicable diseases, nutrition and baking fundamentals. The course also examines cooking equipment, safety precautions, energy conservation, storeroom operations, stock control, and quality assurance.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in food service fundementals (10/85).

AF-1729-0011

FOOD SERVICE SPECIALIST BY CORRESPONDENCE

Course Number: 62250.
Location: Extension Course Institute, Gunter AFS, AL.

BEST COPY AVAILABLE

Length: Maximum 52 weeks.
Exhibit Dates: 7/84–Present.
Objectives: This course is a comprehensive presentation of the function and administration of the food service industry. It discusses the elements of food preparation, equipment utilization, accounting, and administrative responsibilities.
Instruction: Instruction covers sanitation standards, communicable diseases, insect and rodent controls, food preparation principles and serving line procedures. Basic principles of equipment use and maintenance as well as management responsibilities in accounting, food and beverage control are also discussed.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in principle of food preparation (10/85); in the upper-division baccalaureate category, 1 semester hour in food service management (10/85).

AF-1729-0012

FOOD SERVICE SUPERVISOR BY CORRESPONDENCE

Course Number: 62270.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 7/84–Present.
Objectives: An introductory course for food service supervisors, training is provided in the planning and scheduling of food service activities, accounting procedures, quality control and manpower requirements.
Instruction: Course covers workload scheduling, performance standards, dining hall operations, menu preparation, accounting fundamentals, sanitation, and performance evaluation.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in food service management (10/85).

AF-1729-0013

APPRENTICE SERVICES SPECIALIST BY CORRESPONDENCE

Course Number: 61130.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 1/83–Present.
Objectives: The purpose of this course is to provide basic information concerning the handling of a linen exchange and housing facilities in the Air Force.
Instruction: This course provides basic information about inventory procedures, requisition and stock control. Also included are front desk operations such as making reservations, maintaining occupancy rate, handling sundry sales, operating cash register, maintaining equipment and handling customer complaints.
Credit Recommendation: In the vocational certificate category, 1 semester hour in introduction to hotel/motel operations (10/85).

AF-1729-0014

SERVICES SPECIALIST BY CORRESPONDENCE

Course Number: 61150.
Location: Extension Course Institute, Gunter AFS, AL.
Length: Maximum 52 weeks.
Exhibit Dates: 2/83–Present.
Objectives: This course is to provides specific information regarding responsibilities for handling linen, housing arrangements and mortuary services in the military.
Instruction: This course includes basic procedures for requisitioning, inventorying and stock control of linens. Also covered are front desk operations for housing such as reservations, handling sundry sales, operating cash register, maintaining equipment and handling customer complaints. The mortuary services content describes the military honors and ceremonies procedures; search, recovery and identification of remains; and transportation and shipment procedures of the remains.
Credit Recommendation: In the vocational certificate category, 1 semester hour in introduction to hotel/motel operations or front office procedures, 1 semester hour in institutional of housekeeping (10/85).

AF-1730-0002

EQUIPMENT COOLING SPECIALIST

Course Number: ABR56630B.
Location: 3750th Technical School, Sheppard AFB, TX.
Length: 23-24 weeks (600–630 hours).
Exhibit Dates: 9/58–12/68.
Objectives: To provide enlisted personnel with entry-level training in the design, operation, and maintenance of environmental systems.
Instruction: Lectures and practical exercises in the maintenance and operation of cooling systems. Course includes instruction in environmental controls from calculation of heat loads to actual operation of a five-ton air conditioning system, including component selection; water analysis; electric, pneumatic, and electronic controls; basic electricity; and the servicing of motors.
Credit Recommendation: In the upper-division baccalaureate category, 15 semester hours in air conditioning and refrigeration controls, and credit in electricity on the basis of institutional evaluation (5/74).

AF-1730-0013

CRYOGENIC FLUIDS PRODUCTION SPECIALIST

Course Number: AZR54450-1.
Location: 3345th Technical School, Chanute AFB, IL.
Length: 4 weeks (138 hours).
Exhibit Dates: 4/65–12/68.
Objectives: To train enlisted personnel to troubleshoot, maintain, and operate a small cryogenic liquid production plant.
Instruction: Lectures and practical exercises in the maintenance and operation of a small cryogenic liquid production plant. Course includes introduction to cryogenics, hazards and safety techniques, storage of cryogenic fluids, liquification process used in the oxygen-nitrogen generating plant, and troubleshooting and repair.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in refrigeration power technology (7/74).

AF-1732-0001

ENGINEER ENVIRONMENTAL SUPPORT SPECIALIST
(Water and Waste Processing Specialist)

Course Number: 3ABR56330.
Location: Technical Training Center, Sheppard AFB, TX.
Length: 12 weeks (330 hours).
Exhibit Dates: 10/65–12/73.
Objectives: To train enlisted personnel as water and waste processing specialists and support specialists in the collection, transportation, and disposal of solid waste.
Instruction: Lectures in water purification and waste disposal. Topics include basic mathematics, water and waste water analysis, operating principles of water treatment plants, specialized water treatment processes, maintenance of water and waste processing system components, collection, transportation, treatment and disposal of solid waste.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in water purification (12/68).

AF-1732-0002

WATER AND WASTE PROCESSING

Course Number: 4AST56350-1.
Location: Sheppard Technical Training Center Sheppard AFB, TX.
Length: 3 weeks (90 hours).
Exhibit Dates: 10/73–12/73.
Objectives: To train enlisted personnel in water and waste treatment and processing.
Instruction: Lectures and field experience in the treatment and testing of water for human consumption and in sewage and waste disposal. Topics include clarification and filtration, chemical disinfection, ion exchange, servicing and maintaining a water purification unit, operating principles of pumps, and waste water analysis.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in water and waste water technology (5/74).

AF-2203-0001

SMALL ARMS SPECIALIST
(Marksmanship Instructor)

Course Number: 3ABR75330; 3ALR75330; ALR75330; AIR75330.
Location: School of Applied Aerospace Sciences, Lackland AFB, TX.
Length: 9–11 weeks (288–330 hours).
Exhibit Dates: 9/59–12/73.
Objectives: To train personnel to serve as marksmanship instructors.
Instruction: Lectures and practical exercises in classroom instruction, lesson planning, practice teaching, and marksmanship.
Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in instructional methods (12/68).

AF-2203-0007

UNIT HISTORIAN DEVELOPMENT

Course Number: LMDC 900.
Location: Leadership and Management Development Center, Air University, Maxwell AFB, AL.
Length: 3 weeks (120 hours).
Exhibit Dates: 9/73–Present.
Objectives: To train airmen to perform the duties of unit historians, including responsibility for archival management, period analytical historical narratives, primary document evaluation and research methodology, oral history, and routine record keeping and management.
Instruction: Lectures, seminars, interviews, and exercises in Air Force history and organization, document research, historical methods and evaluation, research methodology, oral history, office administration, security procedures, independent research and writing using primary material in the principal United States military aviation historical repository.

BEST COPY AVAILABLE

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours as an elective in history (8/76).

AF-2203-0009

SENIOR NONCOMMISSIONED OFFICER (NCO) ACADEMY
(Senior NCO Academy)

Course Number: None.
Location: Air University, Gunter AFB, AL.
Length: 9 weeks (227-244 hours).
Exhibit Dates: 1/73-Present.
Objectives: To prepare senior noncommissioned officers for expanded leadership and management roles by broadening their perspective of the military profession and its place in domestic and international affairs.
Instruction: Seminars, lectures, and directed individual study in communications, world affairs, leadership and management as applied to the military environment. The communications phase includes both written and oral exercises in writing, speaking, and reasoning skills. The military environment phase provides knowledge of the U.S. role in international affairs, including a comparison of major political and economic systems. The management phase treats principles and functions of management emphasizing the planning, programming and budgeting aspects. Significant study is devoted to increasing understanding of personnel systems and effective human resource management with emphasis on current behavioral science concepts. Student-centered instructional techniques include role playing, video-assisted instruction, programmed learning and panel presentations.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in oral and written communications (11/75); in the upper-division baccalaureate category, 3 semester hours in contemporary world affairs, 4 in management and human relations (11/75).

AF-2203-0035

SQUADRON OFFICER SCHOOL CORRESPONDENCE PROGRAM

Course Number: None.
Location: Air University, Maxwell AFB, AL.
Length: Maximum 104 weeks
Exhibit Dates: 10/82-Present.
Objectives: To prepare junior officers for leadership and management roles required of Air Force personnel in a dynamic domestic and international political environment.
Instruction: This correspondence course presents an introduction to management, an introduction to national security studies and to basic communication skills.
Credit Recommendation: Credit on the basis of institutional evaluation, departmental interview or demonstrated skills (3/83).

AF-2203-0040

1. OFFICER CANDIDATE SCHOOL
2. USAF OFFICER CANDIDATE SCHOOL

Course Number: *Version 1:* O4M0101; OC-00100.
Location: Air Training School, Lackland AFB, TX.
Length: *Version 1:* 24-25 weeks (960-1000 hours). *Version 2:* 24 weeks (960 hours).
Exhibit Dates: *Version 1:* 1/57-12/68. *Version 2:* 9/55-12/56.
Objectives: To train officer candidates to develop the professional knowledge, character, and personal attributes and attitudes essential to being an officer.
Instruction: Lectures and practical exercises in the duties of an officer. Course includes political geography, international affairs, introduction to astronautics, communications, Air Force organization, leadership, human relations, moral dynamics, and selected military subjects.
Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in political science, 3 in business organization and management, and credit in advanced military at institutions which regularly offer such credit (12/68). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in business organization and management, and credit in advanced military at institutions which regularly offer such credit (12/68).

AF-2203-0041

SQUADRON OFFICER SCHOOL
(Squadron Officer Course)

Course Number: None.
Location: Air University, Maxwell AFB, AL.
Length: *Version 1:* 8-9 weeks (250-295 hours). *Version 2:* 11-14 weeks (440-500 hours). *Version 3:* 10-14 weeks (452-596 hours).
Exhibit Dates: *Version 1:* 10/80-Present. *Version 2:* 9/70-9/80. *Version 3:* 3/54-8/70.
Objectives: To prepare selected junior officers for leadership and management roles, required of Air Force personnel in a dynamic domestic and international political environment.
Instruction: *Version 1:* Seminars, lectures, and experiential exercises in introduction to management including leadership, group process and interpersonal relations, problem solving, counseling, motivation and human resource management. The communicatons area develops the individual's written and oral skills. National security studies and military strategy incude an introduction to international relations, strategic theory strategic and general purpose forces of the U.S. and its allies and an analysis of the defense posture and strategy of the Soviet Union and the Warsaw Pact. Competitive sports emphasizes group problem solving, organizing, communication and leadership as well as practice in sports fundamentals, strategy and organization. In all phases of the program, student-centered instructional activities include role playing, video- and computer-assisted instruction and programmed learning. *Version 2:* Seminars, lectures and field exercises in communication, leadership, management, group dynamics, foreign policy and military strategy. The communication area develops the individual's skills to solve problems logically and effectively. The leadership and management area emphasizes attributes, principles, techniques and concepts required in the utiiization of personnel, money and materiel. Human relations, individual and group behavior patterns and motivation are emphasized. The foreign policy and military strategy area emphasizes the capabilities and employment concepts of military force, and includes a comparison of major political systems and international implications of military power.Student-centered instructional activitied include role playing, video-and computer-assisted instruction and programmed learning. *Version 3:* Seminars, lectures and field exercises in communication, leadership, management, group dynamics, foreign policy and military strategy. The communications area develops the individuals skills to solve problems logically and effectively. The leadership and management area emphasizes attributes, principles, techniques and concepts required in the utilization of personnel, money and materiel. Human relations, individual and group behavior patterns and motivation are emphasized. The foreign policy and military strategy area emphasizes the capabilities and employment concepts of military force, and includes a comparison of major political systems and international implications of military power. Student-centered instructional activities include role playing, video- and computer-assisted instruction and programmed learning.
Credit Recommendation: *Version 1:* In the upper division baccalaureate category, 3 semester hours in introduction to management, 3 in communication skills in management (3/83); in the graduate degree category, 3 semester hours in national security studies and military strategy, 3 in competitive sports (3/83). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in communications in management, 3 in organizational leadership and management, 3 in human relations and group dynamics, and 3 in foreign policy and military strategy (11/75). *Version 3:* In the upper-division baccalaureate category, 3 semester hours in speech, and credit in political science on the basis of institutional evaluation (12/68).

DD

DD-0326-0001

ARMED FORCES STAFF COLLEGE

Course Number: None.
Location: National Defense University, Washington, DC; Armed Forces Staff College, Norfolk, VA.
Length: *Version 1:* 21-22 weeks (633-714 hours). *Version 2:* 21 weeks (634 hours). *Version 3:* 21 weeks (548-642 hours).
Exhibit Dates: *Version 1:* 8/83-Present. *Version 2:* 6/73-7/83. *Version 3:* 7/54-5/73.
Objectives: To train officers in joint and combined military organization, planning, and operations, and in related aspects of national and international security.
Instruction: *Version 1:* Lectures, readings, and student papers and discussions in joint and combined military organization, planning, and operations and in related aspects of national and international security. Materials are divided into four major topic areas.(1) U.S. national security studies includes U.S. national strategy formulation and execution; domestic and external factors influencing and constraining U.S. national security policy making; geopolitics; and introduction to nuclear strategic theory and to arms control and disarmament. A political-military gaming exercise is required to help the student apply theory to the task of formulating and implementing security policy in a crisis situation. (2) Principles of managerial problem solving and leadership includes managerial planning techniques, computerized information system utilization, problem solving skills, and general leadership/professional skills.(3) Communicative skills include practical experience in oral communication for both large and small groups and written communication in the form of short briefing and summary papers as well as a major research paper.(4) Defense organization includes Army, Navy, Air Force, Marine and De-

BEST COPY AVAILABLE

partment of Defense organization and operation. *Version 2:* Lectures, readings, and student research and discussions in joint and combined military organization, planning, and operations, and in related aspects of national and international security. Materials are divided into seven course blocks as follows: (1) Administration and Government Organization and Development, including national security policy making, U.S. diplomatic history, and current intelligence procedures; (2) U.S. Military Forces, including organization, personnel management, logistics, warfare capabilities (air, sea, submarine, and amphibious), strategic operations, tactics, and global operations; (3) Organization and Command, including various levels and types of command; (4) Defense Management, including defense planning, programming, economic analysis, probability, program management, analysis techniques, basic computer techniques and programming, and personnel management; (5) Planning and Procedures, including psychological operations; civil affairs; warfare planning and special operations; planning for each armed service; military communications and electronics; nuclear, chemical, and biological planning considerations; general war planning and effects; foreign internal defense planning; insurgency and counterinsurgency; insurgency in Colombia; and planning for limited war; (6) Environment and Strategy, including public affairs; arms control and disarmament; role of the press in the U.S. society; strength, weaknesses, objectives, and foreign policies of mainland China, U.S.S.R., South Asia, Latin America, Africa, Middle East, and Japan; future war and military operations; technologies of the future and their impact on military operations and development; national strategy formulation and execution; political, economic, psychological, and military aspects of national strategy; role of diplomacy and war in international relations; race relations and dissent; drug abuse; and the influence of social change in the U.S. military; and communicative arts, including development of reading, writing, analysis, and abstracting skills. *Version 3:* Lectures, readings, and student research and discussions in joint and combined military organization, planning, and operations, and in related aspects of national and international security, divided into five course blocks, as follows: (1) Orientation, including communist ideology; U.S. Army organization, operation, logistics, and combat developments; U.S. Navy organization and logistics; Navy air, submarine, antisubmarine and amphibious warfare; Air Force organization and operations; aerospace power and logistics; strategic and tactical air operations and systems development; Department of Defense organization and operation; role of systems analysis and management; automatic data processing orientation; national security policy making; and public affairs. (2) General Studies, including organization and command relationships; various command levels and geographical areas; joint planning processes and operations; intelligence estimates; military capabilities; strengths, and weaknesses; foreign policies of the U.S.S.R., communist China, South Asia, the Far East, North Africa and the Middle East, Latin America, and South Africa; various intelligence agencies; communications and electronics; telecommunications; basic logistic planning computations; logistic support under nuclear warfare conditions; base development; sea transportation; global operations; nuclear, chemical, and biological warfare planning and policy; civil affairs; counterinsurgency and counterinsurgency planning and activities; insurgency; unconventional warfare, psychological operations; future U.S. military operations; future war possibilities; future research and engineering; national strategy; political, economic, psychological, and military aspects of national security, and the role of diplomacy and war in international relations. (3) Demonstrations, including review of equipment, command control activities, state and city government facilities, and community relations. (4) Applications and Joint and Combined Planning, including planning for limited and general war. (5) The Joint Chiefs of Staff, including appraisals of national and international security; current and national policies and concepts; nuclear weapons orientation; U.S. history, and U.S. political parties and state and local governments.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in principles of managerial problem solving, 3 in communicative skills, 6 in U.S. national security studies and 3 in defense organization (4/84). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in principles and problems of management, 3 in international relations (Current Problems in World Politics), 3 in contemporary U.S. military history and national security policy, 3 in communicative arts (8/74); in the graduate degree category, 3 semester hours in management and systems analysis (8/74). Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and regulations of the admitting institution on transfer credit. *Version 3:* In the upper-division baccalaureate category, 6 semester hours in business administration, 6 in political science—including international relations—3 in recent military history (8/74).

DD-0327-0001

DEFENSE SECURITY ASSISTANCE MANAGEMENT OVERSEAS (Core/Overseas)

Course Number: SAM-0.

Location: Defense Institute of Security Assistance, Wright-Patterson AFB, OH.

Length: 4–5 weeks (114 hours).

Exhibit Dates: 10/78–Present.

Objectives: To provide Department of Defense overseas representatives with the policies and procedures governing their conduct of operation overseas. Security assistance management is discussed from the national policy level through implementation by responsible agencies.

Instruction: This course covers the management of military sales to foreign countries as it relates to planning programming budget systems (PPBS), foreign policy, legal status overseas, physical security, cross cultural communications, government contracting, export controls and government procurement management. The method of instruction includes lecture, real-life case studies, simulator exercises and interaction with practitioners in the field.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in international business (11/78)

DD-0419-0001

DEFENSE PRESERVATION AND INTERMEDIATE PROTECTION

Course Number: *All Versions:* 822-F1(JT). *Version 1:* 8B-F1(JT).

Location: Joint Military Packaging Training Center, Aberdeen Proving Ground, MD.

Length: 2 weeks (70–76 hours).

Exhibit Dates: *Version 1:* 4/81–Present. *Version 2:* 5/70–3/81.

Objectives: To train commissioned officers, enlisted personnel, and civilian personnel in the techniques of cleaning, drying, preserving, and packing military supplies and equipment.

Instruction: *Version 1:* Lectures and practical exercises on preservation and intermediate protection of military supplies and equipment, including packing specifications, cleaning, preservatives, sprayable and strippable films, controlled humidity, packaging inspection, and packaging costs and documentation. *Version 2:* Lectures and practical exercises on preservation and intermediate protection of military supplies and equipment, including packing specifications, cleaning, preservatives, sprayable and strippable films, controlled humidity, packaging inspection, preparation of retrograde material for shipment, and packaging costs and documentation.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in the preservation of equipment and supplies (2/82). *Version 2:* In the lower-division baccalaureate/associate degree category, 1 semester hour in the transportation, preservation, and protection of supplies (7/79).

DD-0419-0002

DEFENSE PACKING AND UNITIZATION

Course Number: 8B-F2(JT); 822-F2(JT).

Location: Joint Military Packaging Training Center, Aberdeen Proving Ground, MD.

Length: 2 weeks (70–76 hours).

Exhibit Dates: 4/70–Present.

Objectives: To train personnel in the packing, marking, and loading of military supplies and equipment for storage and shipment.

Instruction: Lectures and practical exercises in the packing, marking, and loading of military supplies and equipment for storage and shipment, including introduction to packing and containerization, crate design, cargo unitization and containerization, cushioning and blocking, bracing and anchoring, loading for shipment, utilization of packing lines, parcel shipments, and packing cost reduction.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in transportation, regulations, packing and unitization (2/82).

DD-0419-0003

DEFENSE PACKAGING OF HAZARDOUS MATERIALS FOR TRANSPORTATION

Course Number: 8B-F7(JT); 822-F7(JT).

Location: Joint Military Packaging Training Center, Aberdeen Proving Ground, MD.

Length: 1 week (50 hours).

Exhibit Dates: 3/60–Present.

Objectives: To train military personnel, civilian government employees, and qualified members of industry in the current requirements and procedures in the preparation of hazardous materials for transportation, including marking, certification, handling, and storage, through approved government and civilian methods and techniques

BEST COPY AVAILABLE

Instruction: Use of Department of Defense (DOD); Department of Transportation (DOT); Air Force Regulation (71-4); International Air Transport Association Restricted Articles Regulations (IATA); Intergovernmental Maritime Consultative Organization (IMCO); and Official Air Transport Restricted Articles Tarriff and Circular No. 6-D regulatory documents for the transportation of hazardous materials by rail, motor, air and water. Comparison of DOD, DOT, IATA, and IMCO containers authorized for use in packaging hazardous materials classifications and labels; IMCO classifications and labeling requirements; MIL-STD-129 requirements for hazardous and other materials requiring special handling data/certification on DD Form 1387-2 label.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in packaging of hazardous materials for transportation (2/82).

DD-0419-0004

DEFENSE BASIC PRESERVATION AND PACKING

Course Number: 822-F13(JT).

Location: Joint Military Packaging Training Center, Aberdeen Proving Ground, MD.

Length: 2 weeks (70 hours)

Exhibit Dates: 7/80–Present.

Objectives: To train enlisted personnel and civilian employees of the Army, Navy, Air Force, Marine Corps and the Defense Logistics Agency in basic preservation and packing principles for new and repairable material for storage or shipment.

Instruction: This course, designed for operational enlisted and civilian personnel, consists of introduction to military and industrial preservation, corrosion control, cleaning and drying, preservatives, preservation materials and equipment, preservation methods, introduction to military and industrial packing, special and general purpose shipping container, cushioning, blocking, bracing, weatherproofing, cargo utilization, marking and labeling, and packing for shipment. Forty-two percent of the course is devoted to conference time, 45 percent to demonstrations and student practice in the areas of preservation and packing, and 13 percent to examinations plus nonacademic areas.

Credit Recommendation: In the vocational certificate category, 1 semester hour in basic preservation, packing, and protection of new and repairable equipment (2/82).

DD-0419-0005

DEFENSE PACKAGING MANAGEMENT TRAINING

Course Number: 8B-F26(JT).

Location: Joint Military Packaging Training Center, Aberdeen Proving Ground, MD.

Length: *Version 1:* 9 weeks (321 hours). *Version 2:* 8 weeks (284 hours).

Exhibit Dates: *Version 1:* 2/82–Present. *Version 2:* 3/80–1/82.

Objectives: To train military and civilian personnel in the techniques and skills required to become packaging specialists and manage packaging programs for the military services and Defense Logistic Agency (DLA).

Instruction: *All Versions:* Philosophies, concepts, and practices of military packaging and packaging management. Lecture/conferences and practical instruction are provided in preservation and intermediate protection, packing and unitization, marking for shipment and storage, packaging of hazardous materials for transportation, foam-in-place packaging, and packaging design. Guest speakers and field training trips are part of regular classroom instruction. Students will prepare a research paper. *Version 1:* Course includes packaging design.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in preservation of equipment and supplies, 1 in transportation regulation, packing and unitization including marking for shipment, storage and foam-in-place packaging, 2 in packaging of hazardous materials for transportation, 1 in packaging design and 1 in packaging management to include field training (2/82). *Version 2:* In the lower-division baccalaureate/associate degree category, 1 semester hour in the preservation of equipment and supplies, 1 in transportation regulation, packing and unitization including marking for shipment, storage, and foam-in-place packaging, 2 in packaging of hazardous materials for transportation, 1 in packaging management to include field training (2/82).

DD-0419-0006

DEFENSE PACKAGING DESIGN

Course Number: 8B-F16(JT).

Location: Joint Military Packaging Training Center, Aberdeen Proving Ground, MD.

Length: 2 weeks (70 hours).

Exhibit Dates: 3/80–Present.

Objectives: To train military and civilian personnel of the Department of Defense in approved policies, methods and techniques of packaging design, handling and shipment with emphasis on selection of packing and cushioning materials, to provide adequate protection to items of supply at a minimum cost.

Instruction: Identifying item characteristics; transportability; deterioration of materials; the natural and transportation environment; container design and selection; packaging documentation; testing and safety.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in packaging design (2/82).

DD-0504-0001

BROADCAST JOURNALIST
(Information Specialist (Journalist))
(Basic Military Journalist)

Course Number: ABA79130-1(USAF); 570-71Q20, A-570-0011(USN); 28-R-7Q1.1.

Location: Defense Information School, Ft. Benjamin Harrison, IN; Defense Information School, Ft. Slocum, NY.

Length: *Version 1:* 10 weeks (396 hours). *Version 2:* 9–10 weeks (344–358 hours). *Version 3:* 9–10 weeks (396–440 hours).

Exhibit Dates: *Version 1:* 8/79–Present. *Version 2:* 4/72–7/79. *Version 3:* 12/64–3/72.

Objectives: To teach selected enlisted personnel the principles, techniques, and skills required in public information, service information, and community relations.

Instruction: *All Versions:* Lectures and practical experiences in print journalism, including interviewing techniques, news and feature writing, editing, newspaper layout and makeup; photojournalism, including the taking, processing, and printing of photographs; radio and television writing; speech; international relations and government; public affairs. *Version 1:* Print media, public affairs and photojournalism are emphasized. *Version 2:* Print media skills, public affairs and photojournalism are emphasized. *Version 3:* Print media, broadcast media and photography are emphasized.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 5 semester hours in news writing and reporting (print), 2 in news writing and reporting (electronic), 2 in photojournalism and 2 in layout and design (2/80). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in mass communications and 3 in introduction to print and photojournalism (2/78). *Version 3:* In the vocational certificate category, 3 semester hours in mass media (12/73); in the lower-division baccalaureate/associate degree category, 3 semester hours in mass media (12/73); in the upper-division baccalaureate category, 3 semester hours in journalism, and credit in social sciences and oral communication on the basis of institutional evaluation (12/68).

DD-0504-0002

ADVANCED INFORMATION SPECIALIST

Course Number: *Version 1:* 570-F1. *Version 2:* 570-F1; 5AAA79170 (USAF); A-570-0012 (USN). *Version 3:* 28-R-F1.

Location: *Version 1:* Defense Information School, Ft. Benjamin Harrison, IN. *Version 2:* Defense Information School, Ft. Benjamin Harrison, IN. *Version 3:* Defense Information School, Ft. Slocum, NY.

Length: *Version 1:* 3 weeks (106 hours). *Version 2:* 3 weeks (98–106 hours). *Version 3:* 8 weeks (352 hours).

Exhibit Dates: *Version 1:* 10/79–Present. *Version 2:* 9/72–9/79. *Version 3:* 3/55–8/72.

Objectives: To provide advanced training in the planning, supervision, and coordination of information activities for selected noncommissioned and petty officers who will perform duties as assistants to the officer-in-charge of an information office/section or a radio and television facility.

Instruction: *All Versions:* Applied journalism, including news, headline, editorial, and feature writing; page layout and makeup; radio and television, including news and feature writing, announcing, studio operation, television camera techniques, control room operation, newscast preparation and production, blocking scripts, and television feature production. *Version 1:* Emphasis is placed on management and supervisory skills.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hour in media management (2/80). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in media management (journalism) (8/78). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in mass media (12/73); in the upper-division baccalaureate category, 3 semester hours in journalism, and credit in social sciences on the basis of institutional evaluation (12/68).

Related Occupation Codes: 71Q.

DD-0504-0003

NEWSPAPER EDITOR

Course Number: 570-F2; A-570-0013; 5AZA79150.

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: 3 weeks (118–132 hours).

Exhibit Dates: 7/68–Present.

BEST COPY AVAILABLE

Objectives: To provide additional print journalism instruction to personnel assigned as editors of military newspapers and magazines.

Instruction: Beginning in 1976, course becomes a highly individualized, self-paced program consisting of pretest, group-paced, self-paced, final performance test and newspaper improvement project. Subject areas include photojournalism, print journalism and public affairs. Lectures and practical experience cover all phases of newspaper production, culminating with a 4-page service newspaper or, beginning in 1976, a tabloid size page of a hypothetical military newspaper. Workshop includes communications law, Department of Defense policy on release of information, newsgathering, writing, editing, style, deadlines, photo selection and editing, and layout and page makeup.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in newspaper production (journalism) (2/78).

DD-0504-0004

INFORMATION ENLISTED
(Information Specialist)

Course Number: 28-E-1; 28-R-701.1; 28-R-703.1; 28-R-703.2.

Location: Defense Information School, Ft. Benjamin Harrison, IN; Defense Information School, Ft. Slocum, NY.

Length: 8–10 weeks (278–345 hours).

Exhibit Dates: 11/56–12/68.

Objectives: To provide enlisted personnel with a working knowledge in the selection, evaluation, preparation, and dissemination of Army information through available media of communications.

Instruction: Policy and plans, including public relations philosophy and practice, and information aspects of unusual incidents, stressing the case-study approach; applied journalism, with performance skills in all tasks required to publish a service newspaper; research communications, stressing preparation of the information specialist for public speaking, speech writing, briefings, and group discussions; radio and television, including training in writing, announcing, and production staff functions; internal relations and government, stressing the U.S. international position in terms of world patterns.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in mass media (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications, and credit in journalism on the basis of institutional evaluation (12/68).

DD-0504-0005

TROOP INFORMATION AND EDUCATION ENLISTED

Course Number: 28-E-1.

Location: Defense Information School, Ft. Slocum, NY.

Length: 8 weeks (352 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train enlisted personnel to assist in the organization, operation, and supervision of troop information and education programs.

Instruction: Policies and operational procedures; speech preparation and presentation; discussion-leading techniques; organization of group study activities; testing procedures; advisement principles; practical exercises in newsgathering and newswriting; troop information radio broadcasting; comprehensive study of citizenship, history, government, and international affairs; fundamentals of typewriting.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in mass communications (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in mass communications (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications (12/68).

DD-0504-0006

TROOP INFORMATION AND EDUCATION OFFICER

Course Number: 28-O-6.

Location: Defense Information School, Ft. Slocum, NY.

Length: 8 weeks (352–360 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train officers to supervise instruction periods and other activities of the Army's troop information and education programs.

Instruction: Policies and procedures; speech preparation and presentation; discussion-leading techniques; organization of group study activities; instructor selection; testing procedures; advisement principles; practical exercises in newsgathering and newswriting; troop information radio broadcasting; comprehensive study of citizenship, history, government, and international affairs.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in journalism (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in journalism (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in journalism (12/68).

DD-0504-0007

PUBLIC INFORMATION OFFICER

Course Number: 28-O-5.

Location: Information School, Ft. Slocum, NY.

Length: 8 weeks (360 hours).

Exhibit Dates: 5/54–12/68.

Objectives: To train officers to perform and/or supervise the preparation of news stories, special articles, posters, photographs, radio and television programs, and other informational material for release to information media; to establish speakers bureaus; and to promote friendly relations with information media representatives and civilian communities.

Instruction: Policies and procedures; speech preparation and presentation; public speaking exercises; use of visual-mechanical aids; basic photographic techniques, including camera operation, film processing, photo printing, picture selection, film types and exposures, and picture story assignments; civilian press operation, organization, and philosophy; newswriting; preparation of material for radio and television broadcasts; citizenship, history, government, and international affairs.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in mass media (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in mass media (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications (12/68).

DD-0504-0008

PUBLIC INFORMATION ENLISTED

Course Number: 28-E-2.

Location: Information School, Ft. Slocum, NY.

Length: 8 weeks (360 hours).

Exhibit Dates: 4/54–12/68.

Objectives: To train enlisted personnel to collect, prepare, and disseminate information to newspapers, magazines, radio, television, and other informational media, and to assist in promotion of other public relations activities.

Instruction: Policies and procedures; speech preparation and presentation; public speaking exercises; use of visual-mechanical aids; basic photographic techniques, including camera operation, film processing, photo printing, picture selection, film types and exposures, and picture story assignments; civilian press operation, organization, and philosophy; newswriting and related activities; preparation of material for radio and television broadcasts; citizenship, government, history, and international affairs; typing.

Credit Recommendation: In the vocational certificate category, 2 semester hours in social studies, 1 in mass media (12/73); in the lower-division baccalaureate/associate degree category, 2 semester hours in social studies, 1 in mass media (12/73); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 in oral communications (12/68).

DD-0504-0009

1. PUBLIC AFFAIRS OFFICER
2. INFORMATION OFFICER
3. INFORMATION OFFICER
4. INFORMATION OFFICER BASIC

Course Number: *Version 1:* 7G-46A; A-7G-0010(USN); 50BA7921-002(USAF); 7G(USMC); 7G-46A(USCG). *Version 2:* 50BA7921-1; 7G-5505; A-7G-0010; 7G-46A. *Version 3:* 50BA7921-1 (USAF); 7G05505; A-7G-0010. *Version 4:* 28-G-5505; 7G-5505.

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: *Version 1:* 9–10 weeks (367 hours). *Version 2:* 8 weeks (306 hours). *Version 3:* 8 weeks (270–278 hours). *Version 4:* 8 weeks (284–285 hours).

Exhibit Dates: *Version 1:* 10/83–Present. *Version 2:* 6/79–9/83. *Version 3:* 1/72–5/79. *Version 4:* 1/65–12/71.

Objectives: To provide entry level public affairs training for officers and civilians from all services.

Instruction: @l Lectures and practical exercises in the duties of an information specialist. Course includes instruction in government and public affairs, media management, print and electronic journalism, and basic public speaking. *Version 2:* Lectures and practical exercises in the duties of an information specialist. Course includes journalistic writing and editing, basic photography, radio and television writing and announcing, public speaking, public information techniques and community relations, and study of international press and government attitudes. *Version 3:* Lectures and practical exercises in the duties of an information specialist. Course includes journalistic writing and editing, basic photography, radio and television writing and announcing, public speaking, public information techniques and community relations, and study of international press and government attitudes. *Version 4:* Lectures and practical exercises in the duties of an information

BEST COPY AVAILABLE

specialist. Course includes journalistic writing and editing, basic photography, radio and television writing and announcing, public speaking, public information techniques and community relations, and study of international press and government attitudes.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 3 semester hours in print journalism (news writing and editing), 2 in electronic journalism, 3 in public relations, 2 in introduction to photography, and 1 in basic public speaking (9/85); in the upper-division baccalaureate category, 2 semester hours in government and public affairs and 1 in media management (9/85). *Version 2:* In the lower-division baccalaureate/associate degree category, 4 semester hours in public relations and communication, 2 in continuity writing, 2 in news-writing, 1 in introduction to photography (2/80). *Version 3:* In the upper-division baccalaureate category, 6 semester hours in public relations (journalism)(2/78). *Version 4:* In the vocational certificate category, 6 semester hours in journalism (7/74); in the lower-division baccalaureate/associate degree category, 3 semester hours in journalism (7/74); in the upper-division baccalaureate category, 2 semester hours in social studies, 1 semester hour in oral communication, and additional credit in journalism on the basis of institutional evaluation (12/68).

DD-0504-0009

1. Shipboard Information, Training and Entertainment (SITE) System Operators
2. Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)

Course Number: *Version 1:* A-570-C016(S). *Version 2:* A-570-0010(S) (USN).

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: *Version 1:* 6 weeks (245 hours). *Version 2:* 2 weeks (81 hours).

Exhibit Dates: *Version 1:* 8/80–Present. *Version 2:* 10/76–7/80.

Objectives: To train selected junior naval personnel as shipboard information, training, and entertainment system operators/administrators aboard designated ships.

Instruction: *Version 1:* Topics include administration, logistics, scheduling, supply, military public relations and audio and video equipment usage. *Version 2:* Through practical exercises, demonstration, and individual critique, the student learns the basics of video production, equipment utilization and maintenance, and external news relations.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 1 semester hour in voice diction, 2 in radio and television production and programming (8/80); in the upper-division baccalaureate category, 3 semester hours in military public relations (8/80). *Version 2:* In the vocational certificate category, 1 semester hour in introduction to video production (2/78).

DD-0504-0011

Information Officer (Reserve Component)

Course Number: 7G-F3 (RC).

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: 2 weeks (69 hours).

Exhibit Dates: 6/72–Present.

Objectives: To train reserve officers in functions of information specialists with emphasis on public relations, writing for print and broadcast media, photo editing and composition, internal information and community relations.

Instruction: Lectures and exercises in the duties of an information specialist including public relations principles, writing and editing for print and broadcast media, techniques for use of broadcast equipment and exercises in public information problems.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in public relations (journalism)(2/78).

DD-0505-0001

1. Basic Broadcaster
2. Information Specialist (Broadcaster)
3. Information Specialist (Broadcaster)
4. Broadcast Specialist
5. Broadcast Specialist (Radio and Television Production Specialist)

Course Number: *Version 1:* 570-71R10; A-570-0010; G5ABA7931-001; USMC-570. *Version 2:* 570-71R10 (USA); A-570-0010 (USN); 5ALA-79131 (USAF); 570 (USMC). *Version 3:* 570-71Q20; A-570-0010; 5ALA79131. *Version 4:* 570-71R20. *Version 5:* AZA72151-1; 28-R-703.1; 28-R-703.2.

Location: Defense Information School, Ft. Benjamin Harrison, IN; Defense Information School, Ft. Slocum, NY.

Length: *Version 1:* 12 weeks (465 hours). *Version 2:* 10 weeks (348-397 hours). *Version 3:* 10 weeks (348–397 hours). *Version 4:* 8 weeks (287–298 hours). *Version 5:* 3 weeks (110 hours).

Exhibit Dates: *Version 1:* 9/83–Present. *Version 2:* 10/79–8/83. *Version 3:* 11/69–9/79. *Version 4:* 5/66–10/69. *Version 5:* 7/64–4/66.

Objectives: To train selected enlisted personnel in the principles, techniques, and skills required to perform the duties and functions of a broadcaster in a military radio/ television outlet and/or the broadcast activity of a public affairs office.

Instruction: *All Versions:* Lectures and practical experience in applied journalism, including newsgathering, speech and research training; intensive indoctrination in radio and television, including programming, writing, operation, logs, control room, TV production, broadcast regulations, and appropriate examinations; and study of international relations. *Version 1:* Current version includes lectures and seminars in public affairs and community relations policy and principles. It does not include motion picture operation and editing. *Version 2:* Includes lectures and seminars in public affairs and community relations policy and principles. It does not include motion picture operation and editing. *Version 3:* Does not include motion picture operation and editing, TV production, broadcast regulations and study of international relations. *Version 4:* Does not include motion picture operation and editing, TV production, broadcast regulations and study of international relations.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 3 semester hours in writing for media, 3 in radio operations, 3 in basic television production, and 2 in broadcast announcing (9/85); in the upper-division baccalaureate category, 1 semester hour in broadcast regulations (9/85). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in basic writing for electronic media or continuity writing, 4 in introduction to radio and television techniques, 2 in announcing, and 1 in broadcast performance (2/80). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in basic writing for electronic media or continuity writing, 3 in introduction to radio and television techniques (2/78). *Version 4:* In the vocational certificate category, 6 semester hours in broadcast journalism (12/73); in the lower-division baccalaureate/associate degree category, 3 semester hours in broadcast journalism (12/73); in the upper-division baccalaureate category, 3 semester hours in radio and television programming (12/68). *Version 5:* In the vocational certificate category, 2 semester hours in broadcast journalism (12/73); in the lower-division baccalaureate/associate degree category, 1 semester hour in broadcast journalism (12/73); in the upper-division baccalaureate category, 1 semester hour in radio and television programming (12/68).

DD-0505-0002

1. Broadcast Manager
2. Broadcast Officer
3. Broadcast Officer
4. Broadcast Officer

Course Number: *Version 1:* 7G-46B; 570-F4. *Version 2:* 7G-5522(USA); 7G-0011 (USN). *Version 3:* 7G-5522(USA). *Version 4:* 7G-5522(USA); 28-A5522.

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: *Version 1:* 4 weeks (146 hours). *Version 2:* 6–7 weeks (229–257 hours). *Version 3:* 4 weeks (148 hours). *Version 4:* 3 weeks (110 hours).

Exhibit Dates: *Version 1:* 5/80–Present. *Version 2:* 3/72–4/80. *Version 3:* 12/67–2/72. *Version 4:* 7/64–11/67.

Objectives: To train selected commissioned officers, warrant officers, and civilians in the the basics of radio and television production. Additional management skills are introduced to provide the basic skills needed for: management of an American Forces Radio and Television Service (AFRTS) outlet, management of broadcast operations in a public affairs office, and management of stateside closed-circuit broadcast facilities.

Instruction: *All Versions:* Course includes lectures and practical experiences in radio and television programming and production; additional individual attention to basic management skills. *Version 1:* Includes some practical experiences in broadcast personnel supervision and management responsibilities; audience and community relations; fiscal management and budgeting practices; management of news; and forms of programming, network/station relations, and equipment procurement and familiarization.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 4 semester hours in broadcast management and administration, 4 in advanced production and programming management (8/80). *Version 2:* In the lower-division baccalaureate/associate degree category, 3 semester hours in introducton to radio and television production (2/78). *Version 3:* In the lower-division baccalaureate/associate degree category, 3 semester hours in radio and television programming (7/74) *Version 4:* In the lower-division baccalaureate/associate degree category, 1

BEST COPY AVAILABLE

semester hours in radio and television programming (7/74)

DD-0505-0003

ELECTRONIC JOURNALISM

Course Number: 570-F3.

Location: Defense Information School, Ft. Benjamin Harrison, IN.

Length: 2 weeks (75 hours).

Exhibit Dates: 11/79–Present.

Objectives: To provide training in the planning, production, and editing of news and information features for television, utilizing electronic news gathering equipment and techniques.

Instruction: Training and practical experience in videotape editing techniques, portapak operations, and news gathering.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in electronic news gathering and editing techniques (2/80).

DD-0602-0001

DEFENSE LANGUAGE INSTITUTE BASIC (1954–1956)

(Albanian)
(Arabic)
(Bulgarian)
(Chinese—Cantonese)
(Chinese—Mandarin)
(Czech)
(Danish)
(French)
(German)
(Greek)
(Hungarian)
(Italian)
(Japanese)
(Korean)
(Norwegian)
(Persian)
(Polish)
(Portuguese)
(Romanian)
(Russian)
(Serbo-Croatian)
(Spanish)
(Swedish)
(Turkish)

Course Number: None.

Location: Army Language School, Presidio of Monterey, CA.

Length: 23–46 weeks.

Exhibit Dates: 1/54–12/56.

Objectives: To train officers and enlisted personnel in the interpretation or translation of a foreign language, and to provide basic military, geographic, economic, historical, and political information about the country or area in which the language is spoken. (These area studies are taught in the foreign language.)

Instruction: Lectures, discussions, and oral drills on the language of a foreign country and basic military, geographic, economic, historical, and political information about the country in which the language is spoken. While these courses are listed as Basic, it should be understood that this is the terminology used by the armed forces to indicate that the courses are their 'regular' programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in ALBANIAN for the 46-week course; 18 in ARABIC for the 46-week course; 18 in BULGARIAN for the 46-week course; 26 in CHINESE—CANTONESE for the 46-week course; 26 in CHINESE—MANDARIN for the 46-week course; 18 in CZECH for the 46-week course; 15 in DANISH for the 23-week course; 15 in FRENCH for the 23-week course; 15 in GERMAN for the 23-week course; 18 in GREEK for the 46-week course; 18 in HUNGARIAN for the 46-week course; 15 in ITALIAN for the 23-week course; 26 in JAPANESE for the 46-week course; 18 in KOREAN for the 46-week course; 15 in NORWEGIAN for the 23-week course; 18 in PERSIAN for the 46-week course; 18 in POLISH for the 46-week course; 15 in PORTUGUESE for the 23-week course; 18 in ROMANIAN for the 36-week course; 18 in RUSSIAN for the 46-week course; 18 in SERBO-CROATIAN for the 46-week course; 15 in SPANISH for the 23-week course; 15 in SWEDISH for the 23-week course; 18 in TURKISH for the 46-week course (8/74). NOTE: The credit recommended for these programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) The least difficult languages for the English speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0002

DEFENSE LANGUAGE INSTITUTE BASIC (AFTER 1956)

(Albanian)
(Arabic)
(Bulgarian)
(Chinese—Cantonese)
(Chinese—Fukienese)
(Chinese—Toishan)
(Chinese—Mandarin)
(Czech)
(French)
(German)
(Greek)
(Hungarian)
(Italian)
(Japanese)
(Korean)
(Norwegian)
(Persian)
(Polish)
(Portuguese)
(Romanian)
(Russian)
(Serbo-Croatian)
(Swedish)
(Thai)
(Turkish)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 24–47 weeks.

Exhibit Dates: 1/57–12/80.

Objectives: To train military personnel in the interpretation and translation of the designated language and to provide basic military, geographic, economic, historical, and political information about the country and/or area, in which the language is spoken. (These area studies are taught in the foreign language.)

Instruction: Lectures, discussions, and oral drills in the interpretation and translation of the designated language, and additional training in the basic military, geographic, economic, historical, and political information about the country in which the language is spoken. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their 'regular' programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category extending into the upper-division baccalaureate category, 21 semester hours in ALBANIAN for the 47-week course; 27 in ARABIC for the 47-week course (21 semester hours if the course was taken prior to 1970); 21 in BULGARIAN for the 47-week course; 27 in CHINESE—CANTONESE for the 47-week course; 27 in CHINESE—FUKIENESE for the 47-week course; 27 in CHINESE—TOISHAN for the 47-week course; 27 in CHINESE—MANDARIN for the 47-week course; 21 in CZECH for the 47-week course; 15 in FRENCH for the 24-week course; 15 in GERMAN for the 24-week course, 17 for the 32-week course (15 semester hours if the course was taken prior to 1970); 21 in GREEK for the 47-week course; 21 in HUNGARIAN for the 47-week course; 15 in ITALIAN for the 24-week course; 27 in JAPANESE for the 47-week course; 27 in KOREAN for the 47-week course, 15 in NORWEGIAN for the 24-week course; 21 in PERSIAN for the 47-week course; 21 in POLISH for the 47-week course; 15 in PORTUGUESE for the 24-week course; 18 in ROMANIAN for the 37-week course; 21 in RUSSIAN for the 47-week course; 21 in SERBO-CROATIAN for the 47-week course; 15 in SWEDISH for the 24-week course; 21 in THAI for the 47-week course; 18 in TURKISH for the 41-week course, 21 for the 47-week course (8/74).

DD-0602-0003

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAM

(French)
(German)
(Igbo)
(Italian)
(Lingala)
(Portuguese
(Rundi)
(Spanish)
(Twi)
(Vietnamese)
(Yoruba)

Course Number: None.

Length: 16 weeks.

Location: School of Language Studies, Arlington, VA.

Exhibit Dates: 1/59–Present.

Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned to overseas posts.

Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material

BEST COPY AVAILABLE

and literature in various professional fields of the language being studied are integral parts each program.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 12 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

DD-0602-0004

FOREIGN LANGUAGE INSTITUTE LANGUAGE PROGRAM
(Hausa)

Course Number: None.
Length: 19 weeks.
Location: School of Language Studies, Arlington, VA
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned to overseas posts.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; to learn to be effective communicators and to read current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 15 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard, Arlington, Virginia 22209).

DD-0602-0005

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Afrikaans)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 20 weeks.
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned to overseas posts.
Instruction: Curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 12 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute, (Department of State;1400 Key Boulevard, Arlington, Virginia 22209).

DD-0602-0006

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Danish)
(Dutch)
(French)
(German)
(Italian)
(Norwegian)
(Portuguese)
(Spanish)
(Swedish)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 20 weeks
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned to overseas posts.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 14 semester hours for each course(7/73). Before awarding credit, officials at at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, VA.22209).

DD-0602-0007

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Vietnamese)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 20 weeks
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned to overseas posts.
Instruction: Curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of the program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 15 semester hours(7/73). Before awarding credit,officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Language Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209),

DD-0602-0008

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Afrikaans)
(Dutch)
(French)
(German)
(Italian)
(Portuguese)
(Rumanian)
(Spanish)
(Swahili)
(Swedish)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 24 weeks.
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are intergal parts of the program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category,a maximum of 15 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Language Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

DD-0602-0009

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Amharic)
(Arabic)
(Arabic—Western)
(Bengali)
(Bulgarian)
(Burmese)
(Cambodian)
(Chinese—Cantonese)
(Chinese—Mandarin)
(Czech)
(Dari Afghan-Persian)
(Finnish)
(Greek)
(Hebrew)
(Hindi-Urdu)
(Hungarian)
(Indonesian)
(Japanese)
(Korean)
(Lao)
(Malay)
(Nepali)
(Persian)
(Filipino Tagalog)
(Polish)
(Russian)
(Serbo-Croatian)
(Sinhala)
(Tamil)
(Thai)
(Turkish)
(Vietnamese)

Course Number: None.
Location: School of Language Studies, Arlington, VA.

BEST COPY AVAILABLE

Length: 24 weeks.
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 18 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State, 1400 Key Boulevard, Arlington, Virginia 22209).

DD-0602-0010

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Swahili)
Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 32 weeks
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned to overseas posts.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work related requirements within special fields; learning to be an effecive communicator and reading of current newspapers,periodicals, documentary materials and literature in various professional fields of the language being studied are integral parts of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 18 semester hours(7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (DS-651) from the Registrar of the Foreign Service Institute (Department of State, 1400 Key Boulevard, Arlington, Virginia 22209).

DD-0602-0011

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Danish)
(German)
(Norwegian)
Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 32 weeks
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.
Instruction: A curriculum designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals. documentary material and literature in various professional fields of the language studied are integral parts of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 20 semester hours for each course (7/73).Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

DD-0602-0012

DEFENSE LANGUAGE INSTITUTE BASIC
(Malay)
(Indonesian-Malay)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: *Version 1:* 30–32 weeks (870 hours). *Version 2:* 36–47 weeks.
Exhibit Dates: *Version 1:* 1/78–Present. *Version 2:* 1/57–12/77.
Objectives: To enable students to develop operational oral and written communicative skills in the Malay language.
Instruction: *Version 1:* The course utilizes 12 volumes of a specially prepared Indonesian Malay text series as well as additional Malay components which include oral and written materials. *Version 2:* Lectures, discussions, and oral drills in the interpretation and translation of the Malay, and additional training in the basic military, geographic, economic, historical, and political information about the country in which the language is spoken.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 9 semester hours for beginning MALAY and 6 for intermediate MALAY (3/81). *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 21 in INDONESIAN-MALAY for the 47 week course; 18 in MALAY for the 36 week course (8/74).

DD-0602-0013

DEFENSE LANGUAGE INSTITUTE BASIC
(Vietnamese-Hanoi)
(Vietnamese-Saigon)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: *Version 1:* 36–42 weeks. *Version 2:* 47 weeks.
Exhibit Dates: *Version 1:* 1/77–Present. *Version 2:* 1/57–12/76.
Objectives: To train military personnel in an intensive Vietnamese language course covering both oral and written components that aim to develop operational communicative skills.
Instruction: *Version 1:* Lectures, discussion, oral drills and language laboratory work incorporating oral and written materials especially prepared for this course which aims to develop operational language skills. Extensive treatment of military/civil government situations is covered during the later phases of the program. *Version 2:* Lectures, discussions, and oral drills in the interpretation and translation of the Vietnamese language, and additional training in the basic military, geographic, economic, historical, and political information about the country in which the language is spoken.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 12 semester hours at the beginning level and 9 ranging from lower intermediate to upper intermediate in the 36–42 week VIETNAMESE-HANOI and SAIGON DIALECT course (3/81). *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper division, 21 in VIETNAMESE-HANOI DIALECT for the 47 week course, 21 in VIETNAMESE-SAIGON DIALECT for the 47 week course (8/74).

DD-0602-0014

DEFENSE LANGUAGE INSTITUTE BASIC
(Burmese)
(Danish)
(Finnish)
(Italian-Sicilian)
(Lithuanian)
(Slovenian)
(Swahili)
(Ukranian)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 24–47 weeks.
Exhibit Dates: 1/57–Present.
Objectives: To train military personnel in the interpretation and translation of the designated language and to provide basic military, geographic, economic, historical, and political information about the country, and/or area, in which the language is spoken. (These area studies are taught in the foreign language.)
Instruction: Lectures, discussions, and oral drills in the interpretation and translation of the designated language, and additional training in the basic military, geographic, economic, historical, and political information about the country in which the language is spoken. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their 'regular' programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate catergory, 21 in BURMESE for the 47-week course; 15 DANISH for the 24-week course; 21 in FINNISH for the 47-week course; 18 in ITALIAN-SICILIAN for the 37-week course; 21 in LITHUANIAN for the 47-week course; 21 in SLOVENIAN for the 47-week course; 18 in SWAHILI for the 37-week course; 21 in UKRAINIAN for the 47-week course (3/81).

DD-0602-0015

DEFENSE LANGUAGE INSTITUTE AURAL COMPREHENSION
(Arabic)
(Chinese)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 46–47 weeks (1310–1380 hours).
Exhibit Dates: 1/81–Present.
Objectives: An intensive course of study in the designated language emphasizing listening comprehension, transcription and translation.
Instruction: Instruction emphasizes aural comprehension including general compre-

BEST COPY AVAILABLE

hension. Reading, speaking and writing are also covered in descending order of emphasis. Emphasis is on transcription and translation of recorded texts and dialogues. In the ARABIC course comprehension skills in Egyptian or Syrian dialects, combined with continued oral training in Modern Standard Arabic is provided during the last phase of the course. In the CHINESE course the aural comprehension is focused on radio communications. There is less emphasis on speaking and slightly lower requirements on the number of characters to be recognized and the number of characters for self writing than are taught in the basic course.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 16 semester hours in aural-oral production, 4 in four-skill practice and 4 in aural EGYPTIAN or SYRIAN dialect for the 46-week ARABIC course (3/81); 12 semester hours at the beginning level and 9 ranging from the lower intermediate to the upper intermediate level for the 47-week CHINESE course (3/81).

DD-0602-0016

DEFENSE LANGUAGE INSTITUTE AURAL COMPREHENSION
(German)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: *Version 1:* 32 weeks (960 hours). *Version 2:* 24 weeks (690 hours).

Exhibit Dates: *Version 1:* 10/79–Present. *Version 2:* 1/54–9/79.

Objectives: To be conversant in everyday German, with special emphasis given to listening comprehension and reading translation.

Instruction: *Version 1:* Class activities focus on dialog adaptation, memorization, pronunciation practice. Grammar rules are presented in conjunction with oral drill and pattern exercises. The course puts great emphasis on listening comprehension using the language laboratory to develop this aural skill. *Version 2:* The Aural Comprehension Courses were established at the West Coast Branch on July 1, 1964. Although some reading and writing is included in these courses, they are designed primarily to teach students to comprehend the language as spoken by a foreign national. The spoken language is emphasized as a necessary corollary for developing comprehension skill.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 10 semester hours in elements of first year German and 6 in second year German for the 32-week GERMAN course (3/81). *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper division baccalaureate category, 12 in GERMAN for the 24 week course (3/74).

DD-0602-0017

DEFENSE LANGUAGE INSTITUTE AURAL COMPREHENSION
(Russian)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: *Version 1:* See NOTE below: 47 weeks (1380 hours). *Version 2:* 23–37 weeks.

Exhibit Dates: *Version 1:* 10/78–Present *Version 2:* 1/54–9/78.

Objectives: An intensive language course designed to develop basic proficiency in all four language skills with special emphasis on aural comprehension and transcription skills.

Instruction: *Version 1:* Through the use of dialog manipulation, oral practice, grammar presentation, structural drills and reading and translation the student develops not only language proficiency, but also receives an introduction to selected areas of Russian and Soviet culture, history, geography and military affairs. Special attention is devoted to developing listening skills and transcription techniques. *Version 2:* The Aural Comprehension Courses were established at the West Coast Branch on July 1, 1964 (except for the courses in Russian, which were offered previously). Although some reading and writing is included in these courses, they are designed primarily to teach students to comprehend the language as spoken by a foreign national. The spoken language is emphasized as a necessary corollary for developing comprehension skill.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 6 semester hours in elementary RUSSIAN 6 in intermediate RUSSIAN; in the upper-division baccalaureate category, 9 semester hours for advanced RUSSIAN (conversation/reading) (3/81). NOTE: Prior to 1981 the AIR FORCE version of this course was 37 weeks in length. For Air Force personnel completing the 37 week course between 1978 and 1981 apply the credit recommended in version 2. *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper division baccalaureate category, 15 in RUSSIAN for the 23-or the 24 week course, 18 for the 37 week RUSSIAN course (8/74).

DD-0602-0018

DEFENSE LANGUAGE INSTITUTE BASIC
(Albanian)
(French)
(Italian)
(Portuguese)
(Romanian)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 24–47 weeks (690–1380 hours).

Exhibit Dates: 1/81–Present.

Objectives: Intensive basic instruction in the four skills: elements of aural comprehension, speaking, reading and writing. Introduction of the most frequent structural features through cultural/situational exercises.

Instruction: Audio-lingual small-group instruction incorporating structural and vocabulary/pronunciation drills. Grammar and vocabulary are introduced through dialogues, reading/translation exercises and controlled conversation with area background knowledge covered. Throughout the course functional oral/aural communicative skills are emphasized. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their "regular" programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 7 semester hours in oral/aural, 7 in writing/translation for the 47-week elementary ALBANIAN course (3/81); in the upper-division baccalaureate category, 7 semester hours in intermediate conversation and writing for the 47 week basic ALBANIAN course (3/81); in the lower-division baccalaureate/associate degree category, 8 semester hours in oral/aural, 4 in reading/writing for the 24 week basic FRENCH; 8 semester hours in oral/aural and 4 in reading/writing for the 24 week basic ITALIAN; 8 semester hours in oral/aural, 4 in reading/writing for the 24 week basic PORTUGUESE; 12 semester hours in oral/aural, 6 in reading/writing for the 37 week basic ROMANIAN (3/81).

DD-0602-0019

DEFENSE LANGUAGE INSTITUTE BASIC
(Bulgarian)
(Czech)
(Polish)
(Russian)
(Serbo-Croatian)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA..

Length: 47 weeks (1380 hours).

Exhibit Dates: 1/81–Present.

Objectives: An intensive language course which aims to develop basic proficiency in all four language skills at a level providing functional communicative competence.

Instruction: Through the use of dialog manipulation, oral practice, grammar presentation, structural drills, reading and translation exercises, the student develops language proficiency and receives an introduction to selected areas of the culture, history, geography, socio-economic structure and military affairs of the country of his language. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their "regular" programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 6 semester hours in elementary, 6 in intermediate BULGARIAN (3/81); in the upper-division baccalaureate category, 9 semester hours in advanced (conversation, reading) BULGARIAN (3/81); in the lower-division baccalaureate/associate degree category, 6 in elementary, 6 in intermediate CZECH (3/81); in the upper-division baccalaureate category, 9 in advanced (conversation, reading) CZECH (3/81); in the lower-division baccalaureate/associate degree category, 6 in elementary, 6 in intermediate POLISH (3/81); in the upper-division baccalaureate category, 9 in advanced (conversation, reading) POLISH; in the lower division baccalaureate/associate degree category, 6 in elementary, 6 in intermediate RUSSIAN (3/81); in the upper-division baccalaureate category, 9 in advanced (conversation, reading) RUSSIAN (3/81); in the lower-division baccalaureate/associate degree category, 6 in elementary, 6 in intermediate SERBO-CROATIAN (3/81); in the upper-division baccalaureate category, 9 in advanced (conversation, reading) SERBO-CROATIAN (3/81).

DD-0602-0020

DEFENSE LANGUAGE INSTITUTE EXTENDED
(German)
(Russian)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

BEST COPY AVAILABLE

Length: 24–27 weeks (690–780 hours).
Exhibit Dates: 1/81–Present.
Objectives: An intensive course designed to provide a higher level of proficiency in all four language skills for those students directly out of the basic language course.
Instruction: The RUSSIAN course draws upon selected readings from contemporary materials, and Russian radio broadcasts, in order to provide the student with discussion materials in a variety of topic areas. The student achieves further language proficiency and increased awareness of Russian/Soviet area studies. For approximately two-thirds of the GERMAN course the students discuss readings and answer detailed questions covering the materials in textbooks that deal with German history, geography and current affairs. In addition they read prose and poetry by East German soldiers. The remaining one-third of the course is devoted to listening and transcribing sophisticated, authentic German.
Credit Recommendation: In the upper-division baccalaureate category, 12 semester hours in advanced GERMAN for the 24-week course; 10 semester hours in advanced RUSSIAN (conversation), 3 in advanced RUSSIAN (reading) for the 27 week RUSSIAN course (3/81).

DD-0602-0021

DEFENSE LANGUAGE INSTITUTE BASIC
(Chinese—Cantonese)
(Chinese—Mandarin)
(Japanese)
(Korean)
(Thai)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 36–47 weeks (1068–1380 hours).
Exhibit Dates: 1/81–Present.
Objectives: To provide an intensive course of study with the focus on speaking/comprehension, reading and writing in descending order of emphasis. The course enables the student to develop operational oral and written communicative skills.
Instruction: All the courses include oral/aural drills in both the classroom and the laboratory. Reading instruction emphasizes text comprehension and translation. In the CHINESE courses students are exposed to approximately 1200 characters for recognition and are expected to self-write approximately 600 characters. Writing exercises emphasize character writing with a minimum training in expressive writing. The KOREAN course introduces the student to about 300 Chinese characters in addition to Langul. There is a fair amount of military terminology interspersed with the vocabulary of a more general nature. JAPANESE textual materials introduce the student to 500 Kanji with supplementary materials providing exposure to a limited number of additional characters. Question/answer, drill, classroom discussion and supplementary workbooks provide drill material on prounuciation. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their 'regular' programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper division baccalaureate category 12 semester hours at the beginning level and 12 ranging from lower intermediate to upper intermediate level for the 47 week CHINESE-CANTONESE and CHINESE-MANDARIN courses; 12 at the beginning level and 8 at the lower intermediate to upper intermediate level for the 47 week JAPANESE course; 12 at the beginning level and 10 at the lower intermediate to upper intermediate level for the 47 week KOREAN course; 12 at the beginning level and 6 at the lower intermediate level for the 36 week THAI course (3/81).

DD-0602-0022

DEFENSE LANGUAGE INSTITUTE
INTERMEDIATE
(Bulgarian)
(Chinese)
(German)
(Polish)
(Russian)
(Spanish)
(Vietnamese)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 24–37 weeks (690–1080 hours).
Exhibit Dates: 1/81–Present.
Objectives: An intensive course designed to extend the student's competency in all four skill areas beyond that of the basic language course.
Instruction: The course begins with a review of the content of the basic course. Through selected readings drawn from contemporary materials, and discussion in the designated language on a variety of topics the student achieves greater language proficiency and increased awareness of area studies. Emphasis is given to the reading component focusing on newpapers, periodicals, technical materials and special texts and the aural component using radio broadcasts, tape transcription and class discussion.
Credit Recommendation: In the upper-division baccalaureate category, 12 semester hours in advanced BULGARIAN (conversation) and 6 in advanced BULGARIAN (reading) for the 37-week course; 15 semester hours in upper intermediate and advanced CHINESE for the 37-week course; 9 semester hours in advanced GERMAN for the 24-week course; 12 semester hours in advanced POLISH (conversation) and 6 in advanced POLISH (reading) for the 37-week course; 12 semester hours in advanced RUSSIAN (conversation) and 6 in advanced RUSSIAN (reading) for the 37-week course; 8 semester hours for advanced intermediate SPANISH (conversation/translation) and 4 in intermediate grammar for the 24-week SPANISH course; 15 semester hours in intermediate Vietnamese beyond the basic course for the 37-week VIETNAMESE course (3/81).

DD-0602-0023

DEFENSE LANGUAGE INSTITUTE
INTERMEDIATE
(Arabic—Egyptian/Syrian)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: *Version 1:* 32 weeks (930 hours). *Version 2:* 37 weeks (1080 hours).
Exhibit Dates: *Version 1:* 1/76–Present. *Version 2:* 1/54–12/75.
Objectives: An intensive course designed to extend the student's competency in all four skill areas beyond that of the basic course.
Instruction: *Version 1:* The course reviews the basic elements of Modern Standard Arabic (MSA) offers extensive oral-aural practice in Egyptian and Syrian dialects with limited continued training in MSA and also exposes the student to other dialect variations such as Libyan, Palestinian, Jordanian and Iraqi dialects. The course uses an oral-aural approach with extensive situational dialogues and texts relevant to the historical, cultural and geopolitical aspects of the dialects taught. *Version 2:* Whereas in the Basic Course the audio-lingual skills were stressed, equal emphasis is put on all four language skills in the Intermediate Course. Pronounciation will undergo refinement through constant practice. All important structures are presumed to have been learned in the Basic Course; however, and extensive review is programmed, and new structures are taught functionally, as needed in dealing with the course content. Vocabulary count, customary indicator of the scope of a course, will increase rapidly and extensively. Active vocabulary is expected to double, and passive vocabulary to expand considerably. Fluency in reading is developed to the point of direct comprehension of the printed page. Proficiency in writing includes mastery of forms, such as official business, and social correspondence. Equal in importance to language competency is the matter of area knowledge. The Intermediate Course purports to treat in considerable depth all facets of the country's contemporary civilization, together with a study of the historical development of the area.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 8 semester hours in EGYPTIAN dialect, 8 in SYRIAN dialect and 2 in exposure to other Arabic dialects for the 32-week ARABIC course (3/81). *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in ARABIC for the 37-week course; (8/74).

DD-0602-0024

DEFENSE LANGUAGE INSTITUTE
INTERMEDIATE
(Czech)
Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: *Version 1:* 37 weeks (1080 hours). *Version 2:* 36 weeks (1045 hours).
Exhibit Dates: *Version 1:* 1/78–Present. *Version 2:* 1/54–12/77.
Objectives: An intensive course which is designed to develop a higher level of proficiency in all four language skills than provided in the basic course.
Instruction: *Version 1:* There is first a review of the content of the basic course. The course then proceeds to have the student achieve greater language proficiency through the use of selected readings drawn from contemporary materials, authentic radio broadcasts and discussions in Czech on a variety of topics including culture, economics and politics. *Version 2:* Whereas in the Basic course the audio-lingual skills were stressed, equal emphasis is put on all four language skills in the Intermediate Course. Pronounciation will undergo refinement through constant practice. All important structures are presumed to have been learned in the Basic Course; however, an extensive review is programmed, and new structures are taught functionally, as needed

BEST COPY AVAILABLE

in dealing with the course content. Vocabulary count, customary indicator of the scope of a course, will increase rapidly and extensively. Active vocabulary is expected to double, and passive vocabulary to expand considerably. Fluency in reading is developed to the point of direct comprehension of the printed page. Proficiency in writing includes mastery of forms, such as official business, and social correspondence. Equal in importance to language competency is the matter of area knowledge. The Intermediate Course purports to treat in considerable depth all facets of the country's contemporary civilization, together with a study of the historical development of the area.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 12 semester hours in advanced CZECH (conversation) and 6 in advanced CZECH (reading) NOTE: The credit recommended reflects senior year college studies and does not overlap with the advanced credit awarded for the Basic Czech course. (3/81). *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in CZECH for the 36-week course (8/74).

DD-0602-0025

DEFENSE LANGUAGE INSTITUTE
INTERMEDIATE
(Korean)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: *Version 1:* 37 weeks (1080 hours). *Version 2:* 24–37 weeks (690 hours).

Exhibit Dates: *Version 1:* 1/74–Present. *Version 2:* 1/54–12/73.

Objectives: An intensive course designed to extend the student's competency in all four skill areas beyond that of the basic course.

Instruction: *Version 1:* Training in all four skill areas continues but the reading component receives special emphasis and included work with newspapers, technical material and generally sophisticated expository prose. Oral/aural skill development includes discussion of reading material and audio tape comprehension practice. Writing practice continues to focus on the writing of characters and exercises that derive from the written material. *Version 2:* Whereas in the Basic Course the audio-lingual skills were stressed, equal emphasis is put on all four language skills in the Intermediate Course. Pronounciation will undergo refinement through constant practice. All important structures are presumed to have been learned in the Basic Course; however, an extensive review is programmed, and new structures are taught functionally, as need in dealing with the course content. Vocabulary count, customary indicator of the scope of a course, will increase rapidly and extensively. Active vocabulary is expected to double, and passive vocabulary to expand considerably. Fluency in reading is developed to the point of direct comprehension of the printed page. Proficiency in writing includes mastery of forms, such as official business, and social correspondence. Equal in importance to language competency is the matter of area knowledge. The Intermediate Course purports to treat in considerable depth all facets of the country's contemporary civilization, together with a study of the historical development of the area.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 15 semester hours in intermediate KOREAN beyond the basic course (3/81). *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in KOREAN for the 24-week course (8/74); in the graduate degree category, 6 in KOREAN for the 37-week course (8/74).

DD-0602-0026

DEFENSE LANGUAGE INSTITUTE BASIC
(Arabic (Egyptian, Syrian, Iraqi))
(Persian)
(Turkish)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 46–47 weeks (1350–1386 hours).

Exhibit Dates: 1/81–Present.

Objectives: To provide an intensive course of study covering phonology and writing systems and to develop the student's fluency in listening, speaking, reading and writing of the language.

Instruction: The course follows a combined functional approach providing extensive oral and written practice through various structural and combination drills, guided conversation, writing exercises and language laboratory recordings. The ARABIC course covers about 2500 basic vocabulary including 500 military terms. Readings on subjects dealing with Arabic life and culture are stressed toward the last part of the course. The PERSIAN and TURKISH courses have a special emphasis on reading and comprehension of specialized military materials during the last part of the course. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their "regular" programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 10 semester hours in main elements, 4 in main elements of a dialect in the 46 week ARABIC course (3/81); in the upper-division baccalaureate category, 10 semester hours in intermediate ARABIC in the 46 week ARABIC course (3/81); in the lower-division baccalaureate/associate degree category, 8 semester hours in main elements of the 47 week PERSIAN course (3/81); in the upper-division baccalaureate category, 5 in advanced PERSIAN, 8 in grammar and vocabulary for the 47 week PERSIAN course (3/81); in the lower-division baccalaureate/associate degree category, 8 semester hours in main elements of the 47 week TURKISH course (3/81); in the upper-division baccalaureate category, 8 semester hours in grammar and vocabulary, 6 in advanced Turkish for the 47 week TURKISH course (3/81).

DD-0602-0027

DEFENSE LANGUAGE INSTITUTE
ADVANCED
(Chinese)
(Russian)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 37 weeks (1080-1100 hours).

Exhibit Dates: 1/81–Present.

Objectives: An intensive course which aims to develop maximal proficiency in all four language skills at a level higher than that provided by the intermediate course.

Instruction: The course begins with a review of the intermediate course materials and continues on with selected readings on contemporary materials and the use of radio broadcasts. The RUSSIAN course time is also devoted to advanced composition and conversation, translation and stylistics. Students produce oral and written reports on area background subjects. In the CHINESE course reading skills are extended through work on technical materials and military readings. Writing skills are developed through the self-writing of characters introduced in the reading materials.

Credit Recommendation: In the upper-division baccalaureate category, for the 37-week CHINESE course 15 semester hours in advanced CHINESE beyond the intermediate level, ranging from advanced to technical advanced; 6 semester hours in advanced RUSSIAN (conversation and composition) 6 in advanced RUSSIAN (reading), 3 in advanced RUSSIAN (syntax) and 3 in advanced RUSSIAN (stylistics) for the 37-week RUSSIAN course (3/81).

DD-0602-0028

DEFENSE LANGUAGE INSTITUTE GATEWAY
(German)
(Korean)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: Self-paced 8 weeks.

Exhibit Dates: 1/81–Present.

Objectives: To provide an orientation to the designated language and culture on a very basic level.

Instruction: Students listen to audio recordings of various speakers and work with accompanying print materials. The materials cover such everyday topics as travel, shopping, leisure time activities and survival needs. The student then interacts with the instructor on a one-to-one basis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in first year GERMAN for the 8 week GERMAN course; 5 semester hours in elementary KOREAN for the 8 week KOREAN course (3/81).

DD-0602-0029

DEFENSE LANGUAGE INSTITUTE BASIC
(Greek)
(Norwegian)
(Swedish)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 24–47 weeks (690–1380 hours).

Exhibit Dates: 1/81–Present.

Objectives: To train selected individuals in the comprehension, speaking, reading and writing of a foreign language. The student gains the ability of communicating effectively in everyday vocabulary and language.

Instruction: The fundamentals of comprehension, speaking, reading and writing are developed with the help of integrated course materials. The approach is essentially audio-lingual with questions and answers combined with textual interpretation, grammatical exercises and pattern drills. Students come close to fluency. The Norwegian and Swedish courses use course materials identi-

BEST COPY AVAILABLE

cal to those presently used in comparable courses in colleges and universities. The Greek course teaches both demotic and katharevousa languages. The students active vocabulary consists of approximately 2000 lexical items. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their "regular" programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 10 semester hours in first year Greek, 6 in second year Greek for the 47 week GREEK course (3/81); in the upper-division baccalaureate category, 8 semester hours for third year Greek for the 47 week GREEK course (3/81); in the lower-division baccalaureate/associate degree category, 10 semester hours in first year Norwegian and 6 in second year Norwegian for the 24 week NORWEGIAN course (3/81); 10 semester hours in first year Swedish and 6 in second year Swedish for the 24 week SWEDISH course (3/81).

DD-0602-0030

DEFENSE LANGUAGE INSTITUTE BASIC
(German)
(Hungarian)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 32–47 weeks (930–1380 hours).

Exhibit Dates: 1/81–Present.

Objectives: To understand, speak, read, and write the language with an emphasis on audio lingual skills.

Instruction: Lectures, practical exercises and laboratory work in basic grammatical structures in conjunction with oral drills, pattern exercises and written dictation. In the GERMAN class the first part of the course focuses on dialog adaptation and memorization and pronunciation practice with increasing emphasis on reading and translating authentic texts. The subject matter of these texts covers social and cultural situations, geography, economic, social and military history. The HUNGARIAN course covers over 4000 vocabulary items. 500 of which are military terms. Students draft written reports on general and technical materials and cover a fair amount of cultural information on modern Hungary. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their "regular" programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in a language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 10 semester hours in first-year German and 6 in second-year German for the 32 week GERMAN course; 10 semester hours in introductory Hungarian and 6 in advanced Hungarian for the 47 week HUNGARIAN course (3/81); in the upper-division baccalaureate category, 5 semester hours in reading and translation and 3 in culture and civilization for the HUNGARIAN course (3/81).

DD-0602-0031

DEFENSE LANGUAGE INSTITUTE BASIC LANGUAGE
(Dutch)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 24 weeks (690 hours).

Exhibit Dates: 8/76–Present.

Objectives: To train military personnel to be conversant in everyday Dutch.

Instruction: Class activities focus on the student's ability to master oral and written pattern exercises with emphasis on dialog and memorization. Topical reading selections from current Dutch periodicals are used as well as comercially prepared audiolingual materials. Discussion of the readings goes beyond recall and recognition questions. Students are asked to analyze and interpret content in Dutch. Emphasis is given to the use of Dutch idiomatic expressions and their English equivalents. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their "regular" programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in language.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 10 semester hours for beginning Dutch and 6 in intermediate Dutch (3/81).

DD-0602-0032

DEFENSE LANGUAGE INSTITUTE BASIC
(Indonesian)
(Spanish)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: *Version 1:* 28–30 weeks (810–870 hours). *Version 2:* 24–47 weeks.

Exhibit Dates: *Version 1:* 8/76–Present. *Version 2:* 1/57–7/76.

Objectives: Intensive instruction in the elements of oral comprehension, speaking and reading with functional oral/aural skills emphasized. Students develop operational communicative skills.

Instruction: *Version 1:* The course takes an audio-lingual approach which embraces intensive small-group interaction with multimedia support materials. Grammar and vocabulary is introduced through dialogues, structural drills and controlled conversation. NOTE: While these courses are listed as Basic, it should be understood that this is the terminology used by the Armed Forces to indicate that the courses are their "regular" programs in the various languages. They are not limited to what most civilian institutions would term beginning or basic courses in language. *Version 2:* Lectures, discussions, and oral drills in the interpretation and translation of the designated language, and additional training in the basic military, geographic, economic, historical, and political information about the country in which the language is spoken.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 9 semester hours in beginning Indonesian and 6 in intermediate Indonesian for the 30 week course in INDONESIAN; 9 semester hours for the elements of basic Spanish (oral/aural), 4 for reading/writing for the 28 week SPANISH course (3/81). *Version 2:* In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 in INDONESIAN for the 36 week course, 21 for the 47 week course; 15 in SPANISH for the 24 week course (8/74).

DD-0602-0033

DEFENSE LANGUAGE INSTITUTE AURAL COMPREHENSION
(Albanian)
(Arabic)
(Bulgarian)
(Chinese—Mandarin)
(Czech)
(French)
(Hungarian)
(Indonesian)
(Japanese)
(Korean)
(Persian)
(Polish)
(Portuguese)
(Romanian)
(Russian Stenotype)
(Serbo-Croatian)
(Spanish)
(Thai)
(Turkish)
(Vietnamese-Hanoi Dialect)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 23–50 weeks.

Exhibit Dates: 1/54–12/80.

Objectives: To teach students to comprehend the designated language as spoken by a foreign national.

Instruction: The Aural Comprehension Courses were established at the West Coast Branch on July 1, 1964 (except for the courses in Russian, which were offered previously). Although some reading and writing is included in these courses, they are designed primarily to teach students to comprehend the language as spoken by a foreign national. The spoken language is emphasized as a necessary corollary for developing comprehension skill.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 15 semester hours in ALBANIAN for the 37-week course; 15 in ARABIC for the 47-week course; 15 in BULGARIAN for the 37-week course; 12 in CHINESE-MANDARIN for the 33-week course, 15 for the 37-week course, 18 for the 47-week course, and 12 for the 32-week SPECIAL course; 15 in CZECH for the 37-week course; 12 in FRENCH for the 24-week course; 15 in HUNGARIAN for the 37-week course; 15 in INDONESIAN for the 37-week course; 15 in JAPANESE for the 37-week course; 12 in KOREAN for the 37-week course; 15 in PERSIAN for the 37-week course; 15 in POLISH for the 37-week course; 12 in PORTUGUESE for the 24-week course; 15 in ROMANIAN for the 37-week course; 18 for the 50-week RUSSIAN STENOTYPE course; 15 in SERBO- CROATIAN for the 37-week course; 12 in SPANISH for the 24-week course; 12 in THAI for the 37-week course; 15 in TURKISH for the 37-week course; 15 in VIETNAMESE-HANOI DIALECT for the 37-week course, 18 for the 47-week course (8/74). NOTE: Since the Aural Comprehension Courses do not place equal stress on the four language skills, they are recommended for less credit than the Basic Courses. It will be noted that the maximum credit recommended for a 37-week Aural Comprehension Course varies from 12 to 18 semester hours. This credit variation is based primarily upon the higher reading and writing content in those courses recom-

BEST COPY AVAILABLE

mended for 15 and 18 semester hours. The 50-week Russian Stenotype Course includes the regular 37-week Russian Aural Comprehension Course and 13 weeks of stenctype training. Also: The credit recommended for the program is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0034

DEFENSE LANGUAGE INSTITUTE SHORT BASIC
(Arabic)
(French)
(German)
(Greek)
(Indonesian)
(Italian)
(Japanese)
(Korean)
(Persian)
(Portuguese)
(Romanian)
(Spanish)
(Thai)
(Turkish)
(Vietnamese—Saigon)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 6–24 weeks.

Exhibit Dates: 1/54–12/80.

Objectives: To teach officer and enlisted personnel from each branch of the armed services, and certain civilian personnel, in the comprehension, speaking, reading, and writing of the target language at a limited fluency level, with primary emphasis on comprehension and speaking; and to provide basic military, geographic, cultural, and political information about the country or area in which the language is spoken.

Instruction: Lectures, discussions, and oral drills in the comprehension, speaking, reading, and writing of the target language, and additional training in the basic military, geographic, cultural, and political information about the country or area in which the language is spoken. NOTE: The Short Basic Courses at the West Coast Branch are abbreviated versions of the Basic Courses, using the same instructional materials. Less credit is recommended for these programs than for the Basic Courses. However, it will be noted that certain Short Basic Courses, although not as long as the Aural Comprehension Courses in the same languages, carry the same or larger credit recommendations. The difference in these recommendations can be attributed to the fact that the Short Basic Courses are 'more academically suitable' than the Aural Comprehension Courses (i.e., they have a higher reading and writing content).

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 8 semester hours in ARABIC for the 12-week course, 15 for the 24-week course; 8 in FRENCH for the 12-week course; 8 in GERMAN for the 12-week course, 10 for the 16-week course; 8 in GREEK for the 12-week course; 8 in INDONESIAN for the 12-week course; 8 in ITALIAN for the 12-week course; 8 in JAPANESE for the 12-week course; 8 in KOREAN for the 16-week course, 15 for the 24-week course; 8 in PERSIAN for the 12-week course, 15 for the 24-week course; 8 in PORTUGUESE for the 11- or 12-week course; 8 in ROMANIAN for the 12-week course; 8 in SPANISH for the 11- or 12-week course; 8 in THAI for the 12-week course, 10 for the 16-week course, and 15 for the 24-week course; 8 in TURKISH for the 12-week course; 3 in VIETNAMESE-SAIGON DIALECT for the 6-week course, 8 for the 8- or 12-week course, 10 for the 16-week course, 15 for the 32-week course (8/74). NOTE: The credit recommended for these programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with the level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0035

DEFENSE LANGUAGE INSTITUTE EXTENDED OR BASIC-INTERMEDIATE
(Chinese—Mandarin)
(German)
(Japanese)
(Korean)
(Russian)
(Vietnamese)

Course Number: None.

Location: West Coast Branch, Presidio of Monterey, CA.

Length: 24–75 weeks.

Exhibit Dates: 1/54–12/80.

Objectives: To train military personnel to a higher level of proficiency in the interpretation and translation of the designated language than is provided for in the scope of instruction of the Basic Courses and to provide, in the language, a somewhat wider knowledge of military, geographic, economic, historic, and political information of the country and/or area in which the language is spoken.

Instruction: BASIC-INTERMEDIATE COURSES: The designation basic-intermediate given by the military to the courses should not be confused with this term as used by civilian educational institutions. The Commission's consultants recommend as much as 40 semester hours for each course because of the material that the students are required to read and, in some cases, because of the characters to be learned and the level of the syntax. However, it is recognized that most civilian educational institutions would be reluctant to grant the full amount of credit recommended for the 74- to 75-week courses in as much as this would constitute a major in the language. It is further recognized that most colleges and universities would require some resident work in a major. Nevertheless, it was the consensus of the consultants that these programs correspond to college courses directed to mastery of the language. In other words, the courses are the equivalent of beginning, intermediate, and advanced courses in the language, plus composition, advanced composition (i.e., learning to write correctly), conversation, and a semester's course in the civilization of the appropriate country or area. It should be noted that no creative writing or literature is given in these programs. EXTENDED COURSES: These courses, which range from 24-37 weeks in length, are attended by students who have already completed a Basic or Aural Comprehension course. The primary objective of this add on training is to improve language competency. Whereas in the Basic course the audio-lingual skills were stressed, equal emphasis is put on all four language skills in the Extended Course. Pronunciation is expected to undergo considerable refinement, as is the size of the student's vocabulary. Fluency in reading is developed to the point of direct comprehension of the printed page. Proficiency in writing includes mastery of forms, such as official, business, and social correspondence. Equal in importance to language competency is the matter of area knowledge. The Extended Course treats in considerable depth all facets of the country's contemporary civilization, together with a study of the historical development of the area.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 40 semester hours in CHINESE-MANDARIN for the 74- to 75-week course; 15 in GERMAN for the 24-week course; 40 in JAPANESE for the 74- to 75-week course; 40 in KOREAN for the 74- to 75-week course; 18 in KOREAN for course, 40 for the 74- to 75-week course; 40 in VIETNAMESE for the 74-week course (8/74); in the graduate degree category, 6 semester hours in CHINESE- MANDARIN for the 74- to 75-week course; 6 in JAPANESE for the 74- to 75 week course; 6 in KOREAN for the 74- to 75-week course; 6 in RUSSIAN for the 74- to 75-week course; 6 in VIETNAMESE for the 74- to 75-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

BEST COPY AVAILABLE

DD-0602-0036

DEFENSE LANGUAGE INSTITUTE
INTERMEDIATE
(Bulgarian)
(Chinese—Mandarin)
(French)
(German)
(Polish)
(Romanian)
(Russian)
(Serbo-Croatian)
(Spanish)
(Vietnamese)

Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 16–37 weeks.
Exhibit Dates: 1/54–12/80.
Objectives: The Intermediate Courses at the West Coast Branch are a continuation of the Basic Courses with the objective of reaching a higher level of general language ability in all four language skills.
Instruction: Whereas in the Basic Course the audio-lingual skills were stressed, equal emphasis is put on all four language skills in the Intermediate Course. Pronounciation will undergo refinement through constant practice. All important structures are presumed to have been learned in the Basic Course; however, an extensive review is programmed, and new structures are taught functionally, as needed in dealing with the course content. Vocabulary count, customary indicator of the scope of a course, will increase rapidly and extensively. Active vocabulary is expected to double, and passive vocabulary to expand considerably. Fluency in reading is developed to the point of direct comprehension of the printed page. Proficiency in writing includes mastery of forms, such as official business, and social correspondence. Equal in importance to language competency is the matter of area knowledge. The Intermediate Course purports to treat in considerable depth all facets of the country's contemporary civilization, together with a study of the historical development of the area.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in BULGARIAN for the 37-week course; 18 in CHINESE-MANDARIN for the 37-week course; 10 in FRENCH for the 16-week course; 9 in GERMAN for the 24-week course; 18 in POLISH for the 36-week course; 15 in ROMANIAN for the 24-week course; 18 in RUSSIAN for the 37-week course; 18 in SERBO-CROATIAN for the 37-week course; 15 in SPANISH for the 24-week course; 18 in VIETNAMESE for the 37-week course (8/74); in the graduate degree category, 6 semester hours in CHINESE-MANDARIN for the 37-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0037

DEFENSE LANGUAGE INSTITUTE
ADVANCED
(Chinese—Mandarin)
(Russian)

Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 37 weeks.
Exhibit Dates: 1/69–Present.
Objectives: To train selected Department of Defense personnel in foreign languages at a more advanced level of proficiency than is provided in Defense Language Institute Extended or Intermediate Courses; and to provide a wide knowledge of cultural, geographical, economic, historical, and political information on the area in which the language is spoken.
Instruction: The advanced course places equal emphasis upon the development of all four language skills. There is no specialized or technical terminology in the course. It includes a total vocabulary of approximately 4,000 terms, over and above that covered in previous courses, that cover all general, nontechnical communication situations that one would normally encounter in the country of the target language. The cultural complex within which the language is spoken is covered extensively: history, economics, geography, politics, military, ethnic groups, languages, attitudes, customs and mores of the people, etc.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in CHINESE-MANDARIN for the 37-week course; 18 in RUSSIAN for the 37-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institute are listed in accordance with their level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ukrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0038

DEFENSE LANGUAGE INSTITUTE SPECIAL
(Scientific Russian)
(Russian Refresher)

Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 6–12 weeks.
Exhibit Dates: 1/54–Present.
Objectives: The objective of the Scientific course is to train military personnel to read and translate Russian technical and scientific publications and to speak and understand conversational Russian to a limited extent; the Refresher Course is designed to enable personnel to regain a basic competence in comprehension of the standard literary language.
Instruction: The Scientific Course includes instruction in Russian phonology and writing systems; oral exercises in elementary speech patterns; Russian structural patterns; reading practice; problems in lexicology; identification of Russian words and cognates; and scientific terminology. The Refresher Course provides an accelerated, systematic review of grammar and vocabulary.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, or in the upper-division baccalaureate category, credit in scientific Russian or Russian (refresher) on the basis of institutional evaluation (8/74).

DD-0602-0039

DEFENSE LANGUAGE INSTITUTE-EAST COAST BRANCH
(Arabic)
(Chinese—Mandarin)
(French)
(German)
(Italian)
(Portuguese)
(Russian)
(Spanish)
(Turkish)
(Vietnamese-Hanoi)
(Vietnamese-Saigon)

Course Number: None.
Location: East Coast Branch, Washington, DC.
Length: 8–60 weeks.
Exhibit Dates: 1/54–Present.
Objectives: The Intensive Courses are designed to make military personnel thoroughly at ease in the speaking, understanding, reading, and writing of a foreign language; the shorter courses are designed to give students a limited command of the language.
Instruction: Lectures, discussions, and oral drills in the speaking, understanding, reading, and writing of a foreign language, with additional training in area studies, including the geography, history, politics, economics, government, social structure, and military situations pertaining to the area.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 18 semester hours in ARABIC for the 40-week course, 27 for the 47-week course (21 semester hours if the course was taken prior to 1970); 27 in CHINESE-MANDARIN for the 47-week course, 30 for the 60-week course, 18 for the special 9-month course; 4 in FRENCH for the 8-week course, 8 for the 12-week course, 12 for the 19-week course, 15 for the 24-week course; 4 in GERMAN for the 8-week course, 8 for the 12-week course, 17 for the 32-week course (15 semester hours if the course was taken prior to 1970), 18 for the 36-week course; 4 in ITALIAN for the 8-week course, 8 for the 12-week course, 15 for the 24-week course; 4 in PORTUGUESE for the 8-week course, 8 for the 12-week course, 12 for the 21-week course, 15 for the 24-week course; 18 in RUSSIAN for the 36-week course, 21 for the 47-week course, 15 for the special 6-month course; 4 in SPANISH for the 8-week course, 8 for the 12-week course, 12 for the 19-week course,15 for the 24-week course; 18 in

BEST COPY AVAILABLE

TURKISH for the 36-week course, 21 for the 47-week course; 18 in VIETNAMESE-HANOI DIALECT for the 36-week course; 18 in VIETNAMESE-SAIGON DIALECT for the 36-week course, 21 for the 47-week course (8/74). NOTE: The credit recommended for the programs is based not only upon the type of course given, but also upon the relative difficulty of the language studied. The various languages given by the Defense Language Institue are listed in accordance with the level of difficulty as follows: (1) the least difficult languages for the English-speaking learner (Danish, French, German, Italian, Norwegian, Portuguese, Romanian, Spanish, Swedish, and Swahili); (2) languages of greater difficulty, but with alphabetical writing systems which may be learned concurrently without appreciably affecting the progress in learning the spoken language (Albanian, Bulgarian, Burmese, Czech, Finnish, Greek, Hungarian, Indonesian, Lithuanian, Persian, Polish, Russian, Serbo-Croatian, Slovenian, Thai, Turkish, Ikrainian, and Vietnamese); and (3) the more difficult languages where the reading problem is complicated (Arabic, Chinese, Japanese, and Korean).

DD-0602-0040

DEFENSE LANGUAGE INSTITUTE SUPPORT COMMAND
(Basic Vietnamese-Saigon Dialect)
(Aural Comprehension Vietnamese-Hanoi Dialect)
(Short Basic Vietnamese-Saigon Dialect)

Course Number: None.
Location: Biggs Field, El Paso, TX.
Length: 12–47 weeks.
Exhibit Dates: 1/54–Present.
Objectives: The Basic Course provides personnel with training in the interpretation and translation of the designated language, as well as basic military, geographic, economic, historical, and political information about the area in which the language is spoken; the Aural Comprehension Course is designed primarily to teach students to comprehend the language as spoken by a foreign national; the Short Basic Course is an accelerated version of the Basic Course.
Instruction: Lectures, discussions, and oral drills in the designated language. Basic Course: The term, "Basic" as used by the military, indicates a "regular" course in the language; i.e., the Basic Course is not limited to what most civilian institutions would term beginning or basic courses in the language. Aural Comprehension Course: Although some reading and writing is included, the spoken language is emphasized. Since the Aural Comprehension Courses do not place equal stress on the four language skills, they are recommended for less credit than the Basic Courses. Short Basic Course: Intensive training in the same material covered in the Basic Course.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 21 semester hours in VIETNAMESE-SAIGON DIALECT for the 47-week BASIC course, 8 for the 12-week SHORT BASIC course, 15 for the 32-week SHORT BASIC course; 18 in VIETNAMESE-HANOI DIALECT for the 47-week AURAL COMPREHENSION course (8/74).

DD-0602-0041

NATIONAL CRYPTOLOGIC SCHOOL RESIDENT LANGUAGE
(Basic Chinese—Refresher)
(Basic Russian—Refresher)
(Basic Vietnamese)

Course Number: None.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 21–30 weeks.
Exhibit Dates: 1/54–Present.
Objectives: The 12-week Refresher courses are designed to enable personnel to regain a basic competence in comprehension of the standard literary language by an accelerated, systematic review of grammar and vocabulary. (A basic course in the language is assumed as a prerequisite); the 30-week Basic Vietnamese course is designed to teach personnel the grammar and vocabulary necessary for a basic comprehension of the standard literary language with emphasis on a thorough understanding of structure.
Instruction: Refresher Courses: Phonology; writing system; basic vocabulary of economic, political, and military terms. Basic Vietnamese: In addition to the preceding instruction, this course includes grammar (morphology, derivation, and syntax).
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, 6 semester hours in CHINESE for the 12-week basic (refresher) course; 3 in RUSSIAN for the 12-week basic (refresher) course; 15 in Vietnamese for the 30-week basic course (8/74).

DD-0602-0042

DEFENSE LANGUAGE INSTITUTE SHORT BASIC
(Turkish)

Course Number: None.
Location: West Coast Branch, Presidio of Monterey, CA.
Length: 12 weeks (360 hours).
Exhibit Dates: 1/77–Present.
Objectives: To provide an introduction to modern standard Turkish phonology and the most frequently used grammatical structures.
Instruction: The course starts with a formal study of modern Turkish phonology and grammar utilizing the usual aural-oral and written techniques. A variety of situational dialogues is used to develop a working, practical knowledge of the language.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 7 semester hours in introduction to basic Turkish elements (3/81).

DD-0602-0043

FOREIGN SERVICE INSTITUTE LANGUAGE SERVICE PROGRAMS
(Rumanian)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 44 weeks
Exhibit Dates: 1/59–Present
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned to overseas posts.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are an integral part of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 21 semester hours (7/73). Before awarding credit, officials at receiving institution should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

DD-0602-0044

FOREIGN SERVICE LANGUAGE INSTITUTE LANGUAGE PROGRAMS
(Bulgarian)
(Burmese)
(Cambodian)
(Czech)
(Finnish)
(Greek)
(Hebrew)
(Hindi-Urdu)
(Hungarian)
(Indonesian)
(Persian)
(Polish)
(Russian)
(Serbo-Croatian)
(Thai)
(Turkish)
(Vietnamese)

Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 44 weeks
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.
Instruction: Curriculum is designed to help students acquire language skills to meet general social demands and the further develop the competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 24 semester hours for each course (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

DD-0602-0045

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Amharic)
(Arabic)
(Arabic—Western)
(Chinese—Cantonese)
(Chinese—Mandarin)
(Dari Afghan-Persian)
(Bengali)
(Japanese)
(Lao)
(Nepali)
(Filipino Tagalog)

Course Number: None.
Location: School of Language Studies, Arlington, VA.

BEST COPY AVAILABLE

Length: 44 weeks
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnel in overseas assignments.
Instruction: Curriculum is designed to help students acquire language skills to meet general social demands and the further develop the competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are an intergal part of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 27 semester hours for each course (7/73). Before awarding credit, officials at receiging institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, VA 22209).

DD-0602-0046

FOREIGN SERVICE INSTITUTE LANGUAGE PROGRAMS
(Arabic—Eastern)
(Chinese—Standard)
(Japanese)
Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 92 weeks
Exhibit Dates: 1/59–Present.
Objectives: To develop oral-aural proficiencies in languages for foreign affairs personnal posted overseas.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of the programs.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate caterogy, a maximum of 56 semester hours for each course (7/74). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

DD-0602-0047

FOREIGN SERVICE INSTITUTE LANGAUGE PROGRAMS
(Swahili)
Course Number: None.
Location: School of Language Studies, Arlington, VA.
Length: 32 weeks.
Exhibit Dates: 1/59–Present.
Objectives: The primary objective of the Foreign Service Institute language programs of the Department of State is to develop oral-aural proficiencies in languages for foreign affairs personnel assigned overseas.
Instruction: The curriculum is designed to help students acquire language skills to meet general social demands and to further develop the competence to handle professional work-related requirements within special fields; learning to be an effective communicator and reading of current newspapers, periodicals, documentary material and literature in various professional fields of the language being studied are integral parts of each program.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, extending into the upper-division baccalaureate category, a maximum of 18 semester hours (7/73). Before awarding credit, officials at receiving institutions should obtain a certified Language Training Report (Form DS-651) from the Registrar of the Foreign Service Institute (Department of State; 1400 Key Boulevard; Arlington, Virginia 22209).

DD-1402-0001

COMMAND AND CONTROL
Course Number: None.
Location: Department of Defense Computer Institute, Washington, DC.
Length: 3 weeks (105 hours).
Exhibit Dates: 5/69–12/80.
Objectives: To provide personnel with an introduction to automatic data processing and computer technology.
Instruction: Lectures and practical exercises in automatic data processing and computer technology, including survey of computers and peripheral equipment, computer fundamentals, source data collection, data communications, systems analysis, main memory and data representation, codes, fixed-word-length machine concepts, higher-level languages, and ADP system management.
Credit Recommendation: In the vocational certificate category, 3 semester hours in principles of data processing (7/74); in the lower-division baccalaureate/associate degree category, 3 semester hours in principles of data processing (7/74); in the upper-division baccalaureate category, 2 semester hours in introduction to computer principles (12/68).

DD-1402-0002

INTRODUCTION TO COMPUTER TECHNOLOGY
Course Number: None.
Location: Department of Defense Computer Institute, Washington, DC.
Length: 2 weeks (65 hours).
Exhibit Dates: 8/77–12/80.
Objectives: Course is designed to provide an educational background for middle-management personnel who are general-purpose digital computer systems users and have had little or no previous introduction to data processing principles.
Instruction: Course covers computer capabilities, limitations and applications; the basics of computer hardware and software; systems development management considerations, planning and design; and an introduction to operations research and analysis and quantitative techniques. The student is provided hands-on programming experience with a remote, time-sharing computer terminal using the BASIC programming language.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in data processing principles (5/77).

DD-1402-0003

AUTOMATED INFORMATION SYSTEMS MANAGEMENT FOR INTERMEDIATE MANAGERS
(Automated Information Systems Management for Intermediate Executives)
(Computer Orientation for Intermediate Executives)
Course Number: None.
Location: National Defense University, Washington, DC; Department of Defense Computer Institute, Washington, DC.
Length: 2 weeks (65 hours).
Exhibit Dates: *Version 1:* 10/83–Present. *Version 2:* 8/77–9/83.
Objectives: Course is designed to provide an educational background for high-level management personnel who are general-purpose digital computer systems users and have had little or no previous introduction to data processing principles.
Instruction: *Version 1:* Course covers computer capabilities, limitations, and applications; the basics of computer hardware and software; systems development management considerations; planning and design; introduction to quantitative techniques. Also includes hardware and software acquisition, data base management systems, small computer systems, teleprocessing and distributed processing, and computer security. Student is provided hands-on programming experience with a remote, time-sharing computer terminal using the BASIC programming language. *Version 2:* Course covers computer capabilities, limitations, and applications; the basics of computer hardware and software; systems development management considerations; planning and design; and an introduction to operations research and analysis and quantitative techniques. The student is provided hands-on programming experience with a remote, time-sharing computer terminal using the BASIC programming language.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 3 semester hours in automated information systems (5/84). *Version 2:* In the lower-division baccalaureate/associate degree category, 2 semester hours in data processing principles (5/77).

DD-1404-0001

SENIOR MILITARY CRYPTOLOGIC SUPERVISORS
Course Number: CY-200.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 7 weeks (240–250 hours).
Exhibit Dates: 8/71–Present.
Objectives: To train mid-career cryptological noncommissioned and warrant officers to supervise communication, intelligence and other pertinent resources vital to U.S. national security.
Instruction: Lectures, problem solving seminars, tours and student presentations concerning future roles and technical requirements for supervisory positions in the security community. Subject areas include seminar in contemporary management concepts, problem solving, and decision making techniques; roles in the intelligence community; resource allocation decisions; operational management philosophies; processes involved with collection and reporting of intelligence and communications security.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 1 semester hour in communication to

BEST COPY AVAILABLE

include written and oral skills (3/82); in the upper-division baccalaureate category, 2 semester hours in field experience in applied electronic systems management to include intelligence report preparation and analysis, electronics systems operations, and communications security, 1 in general management to include facilities management, logistics management, personnel supervision and office practices, 1 in political science to include political geography and U.S. government (3/82).

DD-1404-0002

MILITARY OFFICER ADVANCED CRYPTOLOGIC

Course Number: CY-500.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 7 weeks (240–250 hours).
Exhibit Dates: 4/71–Present.
Objectives: To train cryptologic personnel to manage or supervise communication, intelligence and other pertinent resources vital to U.S. national security.
Instruction: Lectures, seminars, self-paced studies, tours, and student presentations concerning methods, sources, processes and techniques used in managing the national signal intelligence and communications security mission. Subject areas include National Security Agency support of military operations, processes involved with collection and reporting of intelligence information; roles in the intelligence community; communications security; and a technical elective.
Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in political science to include political geography and U.S. government (3/82); in the graduate degree category, 2 semester hours in intelligence systems management to include intelligence collection, intelligence analysis and communications security, 1 in political science to include political geography and U.S. government. NOTE: the credit in political science is to be granted in either the upper division or graduate category but not in both (3/82).

DD-1404-0003

NATIONAL SENIOR CRYPTOLOGIC

Course Number: CY-600.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 7 weeks (240–250 hours).
Exhibit Dates: 5/67–Present.
Objectives: To develop senior-level intelligence personnel at the national level in all aspects of the management and operations of intelligence functions vital to the U.S. national security.
Instruction: Lectures, seminars, case studies, visiting speakers, tours and student presentations concerning the intelligence community and its operations. Subject areas include fundamentals of cryptology, the relationship of the National Security Agency to the intelligence community, the intelligence operational process, cryptologic operations and management at the executive level, the National Security Agency support of military operations, communications security, and the national security effort.
Credit Recommendation: In the graduate degree category, 3 semester hours in intelligence management at the executive level, 2 in managerial economics to include resource allocation and international trade, finance and economic affairs, 1 in political science to include political geography, legislative affairs, U.S. government, strategic planning and policy studies (3/82).

DD-1404-0004

NATIONAL COMMUNICATIONS SECURITY (COMSEC)

Course Number: CY-300.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 2 weeks (80 hours).
Exhibit Dates: 8/68–Present.
Objectives: To prepare senior-level intelligence personnel in policy and technical requirements necessary for planning communications systems security.
Instruction: Lectures, question and answer sessions, tours and demonstrations. Subject areas include communications security operational processes, security policy and doctrine, the threat to U.S. communications, relation of communications security to other public and private sectors.
Credit Recommendation: In the graduate degree category, 1 semester hour in communications security management at the executive level plus one additional hour based on departmental interview (3/82).

DD-1404-0005

CRYPTOLOGIC SKILLS FOR NONCOMMISSIONED OFFICERS (NCO)
(Cryptologic Course for Service Supervisors)
(Cryptologic Skills for Cryptologic Management Personnel)

Course Number: CY-155.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 21 weeks (695–825 hours).
Exhibit Dates: 1/71–Present.
Objectives: To provide mid-level noncommissioned officers with the skills and knowledge necessary for key positions in cryptologic operations.
Instruction: Lectures, demonstrations, self-paced instruction and practical exercises. Subjects include collection operations, cryptanalysis, traffic analysis, technical reporting and conduct of briefings.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 6 semester hours in telecommunications and cryptanalysis, 3 in technical writing, 1 in public speaking (3/82).

DD-1406-0001

DEFENSE MAPPING SCHOOL INSTRUCTOR

Course Number: 421-8280.
Location: Defense Mapping School Off-site, Ft. Belvoir, VA; Defense Mapping School Off-site, Washington, DC; Defense Mapping School Off-site, St. Louis, MO; Defense Mapping School Off-site, Kansas City, MO; Defense Mapping School Off-site, San Antonio, TX; Defense Mapping School Off-site, Louisville, KY; Defense Mapping School Off-site, Providence, RI; Defense Mapping School Off-site, Cheyenne, WY.
Length: 1–2 weeks (55 hours).
Exhibit Dates: 5/81–Present.
Objectives: To provide supervisors and instructional personnel with basic technical communication procedures, methods, and techniques.
Instruction: Course is designed to familiarize supervisors and instructors with the tools, methods, and techniques utilized in the technical instructional process. The course includes task analysis and course outline development, and establishment of training objectives and instructional methods to include lectures, conferences, and demonstration techniques. It requires effective utilization of training aids and effective communication techniques.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in technical communication or technical instructor procedures (5/81); in the upper-division baccalaureate category, 3 semester hours in elementary or secondary education or teacher training. Credit is to be granted in either the lower division or upper division category as appropriate but not in both (5/81).

DD-1408-0001

DEFENSE SECURITY ASSISTANCE MANAGEMENT CORE

Course Number: SAM-C-11.
Location: Defense Institute of Security Assistance, Wright-Patterson AFB, OH.
Length: 2 weeks (112 hours).
Exhibit Dates: 10/77–Present.
Objectives: To provide an understanding of security assistance management from a national policy level through implementation by responsible agencies with emphasis on attendant planning and programming of the process.
Instruction: Instruction includes United States involvement in security assistance, its purpose, nature, basis, authority and current programs as they relate to government contracting and procurement management. The methods of instruction include lecture, case studies, simulator exercises and interaction with practitioners in the field.
Credit Recommendation: Credit is not recommended because of the limited specialized nature of the course (11/78)

DD-1408-0002

PROGRAM MANAGEMENT

Course Number: None.
Location: Defense Systems Management College, Ft. Belvoir, VA.
Length: 20 weeks (393-499 hours).
Exhibit Dates: 1/73–Present.
Objectives: To offer managers from the government, the military and industry the skills and knowledge to successfully manage defense systems acquisition programs.
Instruction: Lectures, discussions and cases cover the following areas: defense program and project management including program cost management, contract management, procurement policy and logistics; production and operations management including quantitive methods; general management and organizational behavior; and managerial finance and accounting.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in production and operations management, 2 in managerial finance, and 1 in general management (4/80) in the graduate degree category, 9 semester hours in defense program and project management (If the student has already completed the course, Program Management for Functional Managers (Program Management for Contract Administration), only 6 hours additional credit is recommended) (4/80).

DD-1408-0003

INDUSTRY FINANCIAL MANAGEMENT

Course Number: None.
Location: Defense Systems Management College, Ft. Belvoir, VA.
Length: 2 weeks (60 hours).
Exhibit Dates: 1/75–5/81.

BEST COPY AVAILABLE

Objectives: The course provides the participant with an introduction to basic financial analysis.

Instruction: The course provides an overview of finance and managerial accounting, emphasizing the case approach. Topics covered include financial statement analysis, cost accounting, capital budgeting and contract pricing.

Credit Recommendation: In the upper-division baccalaureate category, 1 semester hour in finance and managerial accounting (4/80).

DD-1408-0004

PROGRAM MANAGEMENT FOR FUNCTIONAL MANAGERS
(Program Management for Contract Administration)

Course Number: None.

Location: Defense Systems Management College, Ft. Belvoir, VA.

Length: 4 weeks (120 hours).

Exhibit Dates: 12/78-7/83.

Objectives: To introduce contract administrators to program management systems.

Instruction: Lectures, discussion and cases in defense program and project management, systems acquisition, and functional management.

Credit Recommendation: In the graduate degree category, 3 semester hours in defense program and project management (4/80).

DD-1408-0005

DEFENSE MANAGEMENT SYSTEMS

Course Number: P-16-2002; P-00-3306.

Location: Defense Resources Management Education Center, Naval Postgraduate School, Monterey, CA.

Length: 4 weeks (105 hours).

Exhibit Dates: 1/70–Present.

Objectives: To provide officers with an introduction to the basic principles of management.

Instruction: Lectures in resource management, program budgeting, management accounting, systems analysis, marginal analysis, and cost effectiveness; emphasis is placed on the analytical aspects of management, including requirement studies, systems analyses, cost effectiveness and marginal analysis.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in management ((2/74).

DD-1511-0001

1. NATIONAL SECURITY MANAGEMENT (CORRESPONDENCE/NONRESIDENT/SEMINAR COURSE OF THE NATIONAL DEFENSE UNIVERSITY)
2. NATIONAL SECURITY MANAGEMENT (CORRESPONDENCE COURSE OF THE INDUSTRIAL COLLEGE OF THE ARMED FORCES)
3. NATIONAL SECURITY MANAGEMENT (CORRESPONDENCE COURSE OF THE INDUSTRIAL COLLEGE OF THE ARMED FORCES)

Course Number: None.

Location: *Version 1:* National Defense University, Ft. Lesley J. McNair, Washington, DC. *Version 2:* Industrial College of the Armed Forces, Ft. Lesley J. McNair, Washington, DC. *Version 3:* Industrial College of the Armed Forces, Ft. Lesley J. McNair, Washington, DC.

Length: 52-104 weeks.

Exhibit Dates: *Version 1:* 9/83–Present. *Version 2:* 9/78-8/83. *Version 3:* 5/11-8/78.

Objectives: To train officers in economic and industrial aspects of national security and the management of resources under all conditions and in the context of national and world affairs.

Instruction: *Version 1:* Course is designed to promote an understanding of the strategic, economic, and industrial aspects of national security and management of the nation's resources under varying circumstances and conditions. Unit I covers the environment of national security. This unit examines fundamental concepts of national security relating to the domestic and international scene. Provides a framework for understanding the problems confronting the United States as an international actor. It discusses economic theories, policies, and issues in the context of resource adequacy for defense and assesses the position of the United States in the world economy. Also explains how the political system influences the Nation's conduct in world affairs. Unit II, resources of defense, analyzes major resources such as energy, transportation, and technology, and assesses their importance to the U.S. economy and national security. It discusses increased U.S. dependence on foreign sources for resources critical to national security. This unit also examines the development and role of U.S. industry and the problem of foreign competition in markets once dominated by the United States. Unit III addresses defense decision making. It studies the main instruments and processes of the federal government involved in the formulation of national security policies and in decision making. Also this unit explains the organization and management of the Defense Department, the systems and processes involved in determining requirements, and the decision-making procedures on resource allocation. Unit IV concerns executive management. It provides a synthesis of the traditional and newer approaches to management, with an emphasis on human resource management. The unit assesses quantitative and qualitative factors relating to the work force with particular emphasis on manpower for defense. It examines the acquisition process of major defense systems, the management of defense systems and the management of defense logistics. This unit analyzes U.S. preparedness issues and mobilization planning. The program's four units each conclude with a proctored closed-book objective-type examination covering approximately five books. The books, texts, and anthologies are the vehicle for instruction. Unit III also requires a written report of 3,000 to 3,500 words. *Version 2:* Course is designed to promote an understanding of the strategic, economic, and industrial aspects of national security and management of the nation's resources under varying circumstances and conditions. The course covers the following: The International Environment: analysis of the basic institutions and forces that shape world environment influencing United States national security policymaking and decision making. Emphasis is given to U.S. participation in international economic and financial activities after an introductory survey of the state as an international actor and patterns of international competition and cooperation. The Domestic Environment: analysis of the dynamics of the national economy that influence national security policy decisions. The emphasis is on current trends of social and economic institutions including those relating to natural resource management and domestic economic-social problems. The National Security Structure and Policy Formulation: survey of the institutions and processes involved in national security policymaking and decision making. The discussion includes the overall national security policymaking organization of the Federal Budget and National Defense, the system in operation in the field of international arms transfers and a case study of the president and crisis management (Cuban missile crisis). Management Concepts and Practices and Management Decision Making: a brief survey of major concepts and issues of modern management. Considerable emphasis is placed on behavioral concepts and upon organizational dynamics and developments. Attention is also given to problem formulation and statistical tools of decision making. National Security Management: a survey of the legislation, organizational structure and procedures of defense resource management. Included in the course are concentrations on systems acquisitions, procurement, supply, manpower and transportation. Special attention is given to the policy area of science, technology, research and development. *Version 3:* Individualized readings and student research in economic and industrial aspects of national security and the management of resources under all conditions and in the context of national and world affairs, divided into four course blocks as follows: (1) Includes the national security structure, the environment of national security, the world in ferment, national urban problems, and concepts and practice of management. (2) Includes elements of defense economics, human resources for national strength, natural and energy resources, the industrial sector, transportation as the nation's lifeline, and the public utilities (gas, electricity, and telecommunications). (3) Includes economic policies for national strength, emergency economic stabilization, U.S. foreign economic policies, defense organization and management, requirements for national defense, and military systems analysis. (4) Includes defense military manpower, the national assets of science and technology, production for defense, procurement, supply management, and national aerospace programs.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in U.S. foreign policy studies, 3 in U.S. national security policies and processes, 3 in introduction to economic principles and problems, 2 in 20th century American economic history, 2 in management, 1 in American national political institutions (1/85); in the graduate degree category, for those students in the Seminar Program achieving a rating of outstanding, 3 semester hours in policies and procedures of the national security establishment, and 3 in U. S. public policy (1/85). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in introduction to management and management decision making, 2 in introduction to international relations, 2 in national security processes, 4 in public policy (the domestic environment of national security) (7/80); in the graduate degree category, 3 semester hours in management and management decision making and 3 in policies and procedures of the national security establishment. Graduate credit is for those students with a rating of outstanding, and is not to be in addition to the upper division credit recommended. *Version 3:* In the upper-division baccalaureate category, for students who complete the program WITH DISTINCTION—or based upon the admitting institution's evaluation of the applicant's work—3 semester hours in political

BEST COPY AVAILABLE

science (The U.S. in Contemporary World Affairs), 3 in social science (The Social and Economic Bases of the U.S. National Security), 3 in management (Defense Policy and Management) (8/74); in the graduate degree category, 3 semester hours for completion of the entire program WITH DISTINCTION—or based upon the admitting institution's evaluation of the applicant's work (8/74). NOTE: Credit recommendation is based on an on-site evaluation. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future goals and the regulations of the admitting institution on transfer credit.

DD-1511-0002

NATIONAL WAR COLLEGE

Course Number: None.

Location: National Defense University, Ft. Lesley J. McNair, Washington, DC; National War College, Ft. Lesley J. McNair, Washington, DC.

Length: 40–45 weeks.

Exhibit Date: *Version 1:* 1/80–Present. *Version 2:* 8/73–12/79. *Version 3:* 8/70–7/73. *Version 4:* 8/56–7/70. *Version 5:* 8/54–7/56.

Objectives: The National War College provides an educational experience intended to improve the knowledge and expertise of a practitioner in the field of U.S. Foreign Affairs and National Security Affairs.

Instruction: *Version 1:* This course is presented through lectures, seminars, readings, and independent student research in international relations and United States foreign policy and national security studies.The core curriculum is divided into six units: 1) Executive decision making and security challenges; 2) The art of war; 3) The international security environment; 4) The United States policymaking studies including (a) politics, policy, and resource allocations, and (b) policy planning and national security decision making; 5) Major powers and regions including the Soviet Union, Asia, Western Europe, the Middle East, Sub-Saharan Africa, and Latin America; and 6) United States defense policy and military strategy. A two-week overseas field trip to one of the regions covered in the fifth unit is part of the course. A variety of electives related to the core curriculum is offered. *Version 2:* Lectures, seminars, readings, and student research in military and national security affairs and international relations. The Core Curriculum is divided into five blocks as follows: (1) The Foundations of National Security; (2) Domestic Environment and National Security; (3) National Security Problems and the Decision Making Process; (4) Military Strategy and Strategic Posture; and (5) Reassessment of National Security Problems. Area studies include: (1) Canada, Europe, and the U.S.S.R.; (2) East Asia and the Western Pacific; (3) South Asia, the Middle East, and Africa; and (4) Latin America. Area electives include courses on Europe, the Far East, Africa, Latin America, or the Mid-East. The course titled National Security Analyses includes an intensive study of politico-military economic, social, psychological, and geographic factors for an analysis of critical issues affecting U.S. national security policies and objectives in Europe, the Middle East and South Asia, Africa, the Far East, and Latin America; an overseas trip to one of these areas for observation is part of the course. *Version 3:* Lectures, seminars, readings, and student research in military and national security affairs and international relations. The Core Curriculum is divided into five blocks as follows: (1) The Foundations of National Security; (2) Domestic Environment and National Security; (3) National Security Problems and the Decision-Making Process; (4) Military Strategy and Strategic Posture; and (5) Reassessment of National Security Problems. Area studies include: (1) Canada, Europe, and the U.S.S.R.; (2) East Asia and the Western Pacific; (3) South Asia, the Middle East, and Africa; and (4) Latin America. Area electives include courses on Europe, the Far East, Africa, Latin America, or the Mid-East. The course titled National Security Analyses includes an intensive study of politico-military economic, social, psychological, and geographic factors for an analysis of critical issues affecting U.S. national security policies and objectives in Europe, the Middle East and South Asia, Africa, the Far East, and Latin America; an overseas trip to one of these areas for observation is part of the course. *Version 4:* Lectures, seminars, readings, and student research in military and national security affairs and international relations. The Core Curriculum is divided into five blocks as follows: (1) The Foundations of National Security; (2) Domestic Environment and National Security; (3) National Security Problems and the Decision-Making Process; (4) Military Strategy and Strategic Posture; and (5) Reassessment of National Security Problems. Area studies include: (1) Canada, Europe, and the U.S.S.R.; (2) East Asia and the Western Pacific; (3) South Asia, the Middle East, and Africa; and (4) Latin America. Area electives include courses on Europe, the Far East, Africa, Latin America, or the Mid-East. The course titled National Security Analyses includes an intensive study of politico-military economic, social, psychological, and geographic factors for an analysis of critical issues affecting U.S. national security policies and objectives in Europe, the Middle East and South Asia, Africa, the Far East, and Latin America; an overseas trip to one of these areas for observation is part of the course. *Version 5:* Lectures, seminars, readings, and student research in military and national security affairs and international relations. The Core Curriculum is divided into five blocks as follows: (1) The Foundations of National Security; (2) Domestic Environment and National Security; (3) National Security Problems and the Decision-Making Process; (4) Military Strategy and Strategic Posture; and (5) Reassessment of National Security Problems. Area studies include: (1) Canada, Europe, and the U.S.S.R.; (2) East Asia and the Western Pacific; (3) South Asia, the Middle East, and Africa; and (4) Latin America. Area electives include courses on Europe, the Far East, Africa, Latin America, or the Mid-East. The course titled National Security Analyses includes an intensive study of politico-military economic, social, psychological, and geographic factors for an analysis of critical issues affecting U.S. national security policies and objectives in Europe, the Middle East and South Asia, Africa, the Far East, and Latin America; an overseas trip to one of these areas for observation is part of the course.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 30 semester hours to be apportioned as follows: 6 semester hours in international relations, 12 in United States foreign policy studies , and 12 in United States national security policies and processes (5/85); in the graduate degree category, 1–9 semester hours in international relations, United States foreign policy studies, and United States national security policies and processes, and 1–3 for research completed during the course of the program, all to be granted based on the receiving institution's review of the student's written materials. It is recommended that the receiving institution request an evaluation from the Dean of Faculty and Academic Programs, National Defense University, National War College, Ft. Lesley J. McNair, Washington, DC 20319. *Version 2:* In the upper-division baccalaureate category, 30 semester hours—to be apportioned by the receiving institution—in the areas of history, political science, international relations, and management (8/74); in the graduate degree category, for the core curriculum, 6 semester hours in foreign policy and security affairs, 3 in political science; for one of the area courses plus one related elective, the overseas trip, and the synthesis course, 6 semester hours for students specializing in foreign policy and security affairs OR 3–6 hours for students in a more general program of comparative government or area studies based on the receiving institution's review of the student's records; for research and thesis, 0–6 semester hours; for any two of the following electives, 3 semester hours if relevant to the student's program specialization: National Security and Problems of International Law, Strategy of Arms Control, Problems of Developing Countries and U.S. Security, Current Issues in Defense Policy, U.S. Society and National Security, Current Economic Problems, Vietnam: A Beginning Reassessment, the Energy Issue: Problems and Prospects, of Futuristics (8/74). NOTE: Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 3:* In the upper-division baccalaureate category, 30 semester hours—to be apportioned by the receiving institution—in the areas of history, political science, international relations, and management (8/74); in the graduate degree category, 3 semester hours in theory and practice of international relations, 3 in U.S. national security policy, 3 in international relations/area studies (specific area to be determined by the geographical region of the student's trip), 0–6 in research and thesis, 3 upon completion of any two of the following elective courses: Current Reinterpretations of Marxist Thought, History of Strategic Thought, or International Law (8/74). NOTE: Credit recommendation is based on an on-site evaluation. Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 4:* In the upper-division baccalaureate category, 15 semester hours in political science (including international relations), 9 in recent and contemporary history, 3 in business administration (8/74). *Version 5:* In the upper-division baccalaureate category, 15 semester hours in political science (including international relations), 9 in recent and contemporary history, 3 in business organization and management, 3 in speech (12/68).

BEST COPY AVAILABLE

DD-1511-0003

INDUSTRIAL COLLEGE OF THE ARMED FORCES (RESIDENT PROGRAM)

Course Number: None.

Location: National Defense University, Ft. Lesley J. McNair, Washington, DC; Industrial College of the Armed Forces, Ft. Lesley J. McNair, Washington, DC.

Length: 40–45 weeks.

Exhibit Dates: *Version 1:* 1/80–Present. *Version 2:* 8/69–12/79. *Version 3:* 8/66–7/69. *Version 4:* 8/65–7/66. *Version 5:* 8/64–7/65. *Version 6:* 8/63–7/64. *Version 7:* 8/54–7/63.

Objectives: To teach the political, military, social, economic, and industrial aspects of national security, resource management, and the command, staff, and policy-making functions of the national and international security structure.

Instruction: *Version 1:* This course consists of lectures, simulations, seminars, field studies, and student research in aspects of United States national security and resource management. The core curriculum is divided into five phases as follows: 1) Public executive prospectives; 2) National security and mobilization management; 3) Manpower resources management; 4) Materiel resources management; and 5) Joint training exercises. Field trips to domestic and foreign industrial sites are included in Phase 4. A variety of electives relating to the core curriculum is offered. *Version 2:* Lectures, practical exercises, seminars, readings, field studies, and student research in the political, military, social, economic, and industrial aspects of national security, in resources management, and in national and world affairs. *Version 3:* Lectures, practical exercises, seminars, readings, field studies, and student research in the political, military, social, economic, and industrial aspects of national security, in resources management, and in national and world affairs. *Version 4:* Lectures, practical exercises, seminars, readings, field studies, and student research in the political, military, social, economic, and industrial aspects of national security, in resources management, and in national and world affairs. *Version 5:* Lectures, practical exercises, seminars, readings, field studies, and student research in the political, military, social, economic, and industrial aspects of national security, in resources management, and in national and world affairs. *Version 6:* Lectures, practical exercises, seminars, readings, field studies, and student research in the political, military, social, economic, and industrial aspects of national security, in resources management, and in national and world affairs. *Version 7:* Lectures, practical exercises, seminars, readings, field studies, and student research in the political, military, social, economic, and industrial aspects of national security, in resources management, and in national and world affairs.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in introduction to economics (5/85); in the upper-division baccalaureate category, 12 semester hours in United States foreign policy and national security studies, 6 in international relations, 4 in labor and manpower resource planning, 2 in transportation planning, 4 in industrial structure and process, and 0–6 additional credit in the appropriate field for the electives course based on the receiving institution's review of the transcript and additional information from the Dean, Industrial College of the Armed Forces, National Defense University, Ft. Lesley J. McNair, Washington, DC 20319 (5/85); in the graduate degree category, 1–9 semester hours in international relations, manpower materiel planning, United States national security studies; and 1–3 for research completed during the course, all to be granted based on the receiving institution's review of the student's written materials. It is recommended that the receiving institution request a transcript and additional information from the Academic Dean, Industrial College of the Armed Forces, National Defense University, Ft. Lesley J. McNair, Washington, DC 20319 (5/85). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in political science, 3 in international relations, 3 in social science, 3 in national economic problems and policies, 3 in principles of economic analysis, 3 in quantitative analysis, 6 in management, 3 in public administration, 0–3 in research and thesis (exact amount to be determined by institutional review) (8/74); in the graduate degree category, 2 semester hours in national security, 2 in aspects of national strength, 2 in international relations, 2 in management of industrial resources, 2 in governmental management, 2 in national economic problems and policies, 0–6 in research and thesis (8/74). NOTE: Credit granted for theses should be contingent upon the graduate school's evaluation of the research paper. Recommendations of credit are maximum figures. The amount actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit. *Version 3:* In the upper-division baccalaureate category, 12 semester hours in political science (including international relations), 12 in business administration, 3 in recent history, 6 in economics, 3 in geography, 3 in general physics, 3 in mathematics (8/74). *Version 4:* In the upper-division baccalaureate category, 12 semester hours in political science, 9 in business administration, 3 in recent history, 3 in economics, 3 in geography, 3 in general physics, 3 in mathematics (12/68). *Version 5:* In the upper-division baccalaureate category, 12 semester hours in political science (including international relations), 6 in business administration, 3 in recent history 3 in economics, 3 in geography (12/68). *Version 6:* In the upper-division baccalaureate category, 12 semester hours in political science (including international relations), 6 semester hours in business administration, 3 in speech, 6 in recent history, 3 in economics (12/68). *Version 7:* In the upper-division baccalaureate category, 15 semester hours in political science (including international relations), 3 in business organization and management, 3 in speech, 9 in recent and contemporary history (12/68).

DD-1511-0004

1. POSTGRADUATE INTELLIGENCE COURSE (Defense Intelligence Course)
2. DEFENSE INTELLIGENCE COURSE

Course Number: *All Versions:* None.

Location: Defense Intelligence School, Naval Station (Anacostia Annex), Washington, DC.

Length: *Version 1:* 33 weeks (1325 hours). *Version 2:* 38 weeks (1425–1504 hours).

Exhibit Dates: *Version 1:* 3/72–7/81. *Version 2:* 1/63–2/72.

Objectives: To train officers in intelligence operations and techniques, and management concepts and techniques as they apply to intelligence resources, processes, and information systems, OR in intelligence procedures, operations, and structures as they relate to international action.

Instruction: Lectures, practical exercises, readings, and individualized study in intelligence operations and techniques and in management concepts and techniques as they apply to intelligence resources, processes and information systems at various levels. The Postgraduate Intelligence course changed to a multiple course curriculum in 1978. Students should be asked to submit an official transcript of courses completed after September 1978. The Defense Intelligence School is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in modern history, 6 in political science, credit in geography on the basis of institutional examination (upon completion of phases one and two), 3 in principles of management (upon completion of phase three) (8/74); in the graduate degree category, 6 semester hours in international relations or political science, OR, if the applicant's field of study in graduate school is in the area of economics or political geography, 4 semester hours in international relations or political science (8/74). *Version 2:* In the upper-division baccalaureate category, 6 semester hours in modern history, 6 in political science, 3 in geography (12/68); in the graduate degree category, 6 semester hours in international relations or political science, OR, if the applicant's field of study in graduate school is in the area of economics or political geography, 4 semester hours in international relations or political science (8/74).

DD-1511-0005

INTER-AMERICAN DEFENSE COLLEGE

Course Number: None.

Location: Inter-American Defense College, Ft. Lesley J. McNair, Washington, D.C..

Length: 52 weeks.

Exhibit Dates: 7/65–Present.

Objectives: To function as a military institution for advanced studies, with the purpose of preparing military personnel and civilian officials of the American States through the study of the Inter-American System and the political, social, economic and military factors that constitute essential elements for the defense of the hemisphere.

Instruction: The curriculum includes a review of basic theoretical topics in the classical areas of power and general studies of the current world situation, thus providing an adequate framework for an extensive analysis of the hemisphere's situation in the light of political, social, economic and military factors. The students learn and practice, in group discussions, the methodology of international cooperation in basic aspects of continental security planning at higher levels of general and military strategy. The modes of instruction include numerous lectures by outside experts, seminars and symposia for discussion of the materials presented, study committees and the preparation of individual research papers.

Credit Recommendation: In the graduate degree category, 6 semester hours in international relations for students rated "very good" or "outstanding" (11/76).

DD-1511-0006

RESERVE COMPONENTS NATIONAL SECURITY SEMINAR

Course Number: None.

Location: National Defense University, Vandenberg AFB, CA; National Defense University, Naval Air Station, Pensacola,

BEST COPY AVAILABLE

FL; National Defense University, Ft. Bragg, NC; National Defense University, Ft. Lesley McNair, Washington, DC.

Length: 2 weeks (60 hours).

Exhibit Dates: 1/76–Present.

Objectives: To present and analyze issues of national security and foreign policy.

Instruction: This seminar includes global intelligence assessment (U.S. policy perspective); U.S. security policy (East Asia, Western Europe, and the Soviet Union, the Middle East and the developing countries); arms trade and arms acquisitions; defense analysis including a case study; DoD Management; ocean policy; economic issues; human and industrial resources; energy problems; and simulation exercise.

Credit Recommendation: Credit is not recommended for the course (1/79)

DD-1512-0001

1. Defense Equal Opportunity Management Institute
2. Defense Equal Opportunity Management Institute
3. Defense Race Relations Institute
4. Defense Race Relations Institute

Course Number: None.

Location: Defense Equal Opportunity Management Institute, Patrick AFB, FL; Defense Race Relations Institute, Patrick AFB, FL.

Length: *Version 1:* 16 weeks (590 hours). *Version 2:* 16 weeks (585 hours). *Version 3:* 7–11 weeks (184–425 hours). *Version 4:* 7 weeks (205 hours).

Exhibit Dates: *Version 1:* 1/83–Present. *Version 2:* 6/78–12/82. *Version 3:* 8/74–5/78. *Version 4:* 10/72–7/74.

Objectives: To provide students with a foundation of knowledge on intergroup relations, cultural specificity, and an awareness of those processes that form social opinion. The program is also designed to provide participantswith the ability to function as instructors in race relations and to provide them with management, planning and applications skills needed in maintaining effective institutional human relations programs.

Instruction: *Version 1:* Lectures, audio visuals, guest speakers, seminars, incident process techniques, role play, student practicums and student presentations are employed as they apply to equal opportunity officers in Department of Defense activities. The program prepares students as instructors, facilitators, EEO staff advisors, and consultants in policy and procedures and conflict intervention, knowledgable discussants on issues of race, women's issues, ethnic and national origin concerns, and related issues adversly affecting organizational effectiveness and mission. *Version 2:* Lectures, seminars, simulation/interactional techniques, case study, role play and games in the theory and practice of human relations and the application and management of human relations programs. Program takes multidisciplinary approach to minority and behavioral studies and instructional methodology. Program is designed to prepare the participants as instructors and consultants in race relations, equal opportunity and women's issues, and organizational effectiveness as it as it relates to discriminatory policies procedures and practices. *Version 3:* Lectures, seminars, simulation/interactional techniques, case study and field laboratory (inner city visitation) in the theory and practice of human relations and the application and management of human relations programs. The program takes a multi-disciplinary approach to minority and behavioral studies and instructional methodology. Participants are prepared as instructors in race relations. *Version 4:* Lectures, seminars, readings, and discussions in intergroup relations, social processes, behavioral sciences, minority studies, and instructional techniques, divided into five course blocks as follows: (1) The Individual in Social Interaction, including psychological theories of the self, and defense mechanisms; social significance of attitudes and behavior; stereotypes, the psychology of rumor; and race and individual differences. (2) Racism and Ways to Combat It, including military racial disorders, the Kerner Commission report, racism in U.S. history and contemporary life; the nature of prejudice; signs and symbols in communication and their role in racial conflict; institutional racism; racial issues (law enforcement, housing, employment, and education); racial polarization and separation: new white consciousness, contemporary white American culture; and strategies for combatting racism. (3) Group Dynamics, including introduction to group processes, group formation, techniques of facilitating group performance, the individual and the group, group goals and norms; group problems (members and feelings, recognition of hidden agendas within a group, methods of approach); leadership functions in groups; recognition of goal types; conditions affecting cohesiveness and conformity; and intergroup relations, examined through discussion on problems of communication, minority participation in policy and programs, changing the practice of desegregation, and establishing the values of integration. (4) Educational Techniques, including guided discussion as a teaching method; information processing limitations; use of selective exposure, interpretation (attention), and retention in reinforcing attitudes and opinions; use of sociodrama as a teaching technique; lesson planning and educational presentations; student teaching exercises; instructional aids; and creative teaching. (5) Minority Studies, including Afro-American history, migrant group, Appalachian cultures, Indian culture and contemporary thought, and Asian-American history and contemporary situation; history of blacks in the military, contemporary black thought, and inner-city problems. Participants are prepared as instructors in race relations.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 3 semester hours in sociology of women, 3 in culture and society, 3 in racial and interethnic relations, 3 in instructional methodology, and 3 in interpersonal communications; in the graduate degree category, 3 semester hours in organizational effectiveness, 3 in organizational communication and 3 in interpersonal relations and conflict resolution (3/84). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in sociology of women, 3 in culture and society, 3 in interracial relations and interethnic relations, 3 in organizational effectiveness (9/79); in the graduate degree category, 3 semester hours in interpersonal communication, 3 in instructional methodology (9/79) *Version 3:* In the upper-division baccalaureate category, 18 semester hours in social and behavioral science, to be assigned among the following subject areas: applied psychology, group dynamics, intergroup relations, communications theory, history of minorities and ethnic groups, and instructional methodology (5/76); in the graduate degree category, 9 semester hours in social and behavioral science, to be assigned among the following subject areas: applied psychology, group dynamics, intergroup relations, communications theory, history of minorities and ethnic groups, and instructional methodology (5/76). *Version 4:* In the upper-division baccalaureate category, 4 semester hours in behavioral science laboratory, and 6 in social and behavioral science, to be assigned in any of the following disciplines: applied psychology, group dynamics, intergroup relations, or history of minorities and ethnic groups (8/74); in the graduate degree category, 4 semester hours in behavioral science laboratory (8/74). NOTE; Recommendations of credit are maximum figures. The amount of credit actually accepted for transfer depends upon the applicant's future academic goals and the regulations of the admitting institution on transfer credit.

DD-1512-0002

Defense Equal Opportunity Management Institute Nonresident/Resident

Course Number: None.

Location: Defense Equal Opportunity Management Institute, Patrick AFB, FL.

Length: Maximum 52 weeks.

Exhibit Dates: 6/79–Present.

Objectives: To provide students with a foundation of knowledge on intergroup relations, cultural specificity, and an awareness of those processes that form social opinion. The program is also designed to provide participants with the skills to serve as instructors in race relations and to provide them with management, planning, and applications skills needed in maintaining effective institutional human relations programs.

Instruction: The program prepares students as instructors, facilitators, EEO staff advisors, and consultants in policy and procedures of conflict intervention, knowledgable discussants on issues of race, women's issues, ethnic and national origin concerns, and related issues adversly affecting organizational effectiveness and mission.Interrelated subject areas include individual, group, and organizational behaviors; equal opportunity skills; study of discrimination based on race, gender, or cultural/ethnic differences on individual, institutional, and cultural levels; study of cultural, historical, and socio-psychological perspectives as well as contemporary status of American minority groups.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in sociology of women, 3 in culture and society, 3 in interracial and interethnic relations, 3 in interpersonal communications, 3 in instructional methodology (3/84), in the graduate degree category, 3 semester hours in interpersonal relations and conflict resolution, 3 in organizational effectiveness and 3 in organizational communication (3/84).

DD-1601-0001

Basic Photogrammetric Cartographic Techniques

Course Number: 411-204.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 9 weeks (293 hours).

Exhibit Dates: 5/72–8/78.

Objectives: To train enlisted personnel to compile and revise planimetric, topographic maps and photomaps, using drafting instruments and plotting devices.

BEST COPY AVAILABLE

Instruction: Lectures and practical exercises in the compilation and revision of planimetric, topographic maps and photomaps, including compilation base and radial triangulation, map compilation and map revision, aerial photo mosaic, color separation, maintenance of cartographic equipment and facilities, DMA topographic center tour security, construction of controlled photomosaic, transfer of revision data to compilation base, and delineation of aerial photography.

Credit Recommendation: In the vocational certificate category, 6 semester hours in map and mosaic making (5/74); in the lower-division baccalaureate/associate degree category, 5 semester hours in map and mosaic making (5/74); in the upper-division baccalaureate category, 3 semester hours in map and mosaic making (5/74).

DD-1601-0002

GEODETIC SURVEYING

Course Number: 412-82D20; 5ABD22230; 412-101.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 10 weeks (376 hours).

Exhibit Dates: 12/73–11/76.

Objectives: To train enlisted personnel in geodetic surveying.

Instruction: Lectures and practical exercises in geodetic surveying, including the establishment of ground survey control through differential leveling, gravity surveys, traverse, triangulation, and astronomic observation; mapping and charting in the support of weapons systems and other operations; military construction surveys; establishment of control; expedient-road and landing-site planning; and construction-site layout surveys for theater-of-operations construction support.

Credit Recommendation: In the vocational certificate category, 10 semester hours in plane and geodetic surveying (5/74); in the lower-division baccalaureate/associate degree category, 8 semester hours in plane and geodetic surveying (5/74); in the upper-division baccalaureate category, 6 semester hours in plane and geodetic surveying (5/74).

Related Occupation Codes: 82D.

DD-1601-0003

ADVANCED GEODETIC SURVEYING

Course Number: 4M-710.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 20 weeks (707 hours).

Exhibit Dates: 12/73–11/81.

Objectives: To provide geodetic surveyors with training in advanced geodetic survey techniques.

Instruction: Lectures and practical exercises in advanced geodetic survey techniques, including astronomic observations for longitude, latitude, and azimuth; computing and adjusting geodetic figures, directions, lengths, positions, and differences in elevation; precise instrumentation related to high-order surveys; orientation on analytical point positioning using photogrammetry; vertical control surveys; geodesy and gravity surveys; and map compilation and digital computers.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 15 semester hours in advanced geodetic surveying (5/74); in the upper-division baccalaureate category, 10 semester hours in advanced geodetic surveying (5/74).

DD-1601-0004

TERRAIN ANALYSIS

Course Number: 491-81Q20; 491-101.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 10 weeks (314 hours).

Exhibit Dates: 10/73–9/80.

Objectives: To provide soils analysts, map compilers, and image interpreters with training in geographic analysis.

Instruction: Lectures and practical exercises in terrain analysis, including principles and techniques of terrain analysis, map reading and land navigation, basic photographic interpretation and cartographic principles, techniques for describing terrain, geologic and hydrologic concepts, amphibious operations planning considerations, evaluation of terrain elements, base development and LOC planning considerations, engineer reconnaissance, engineer applications of photography, and applied terrain analysis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 6 semester hours in terrain analysis (5/74); in the upper-division baccalaureate category, 4 semester hours in terrain analysis (5/74).

Related Occupation Codes: 81Q

DD-1601-0005

ADVANCED PHOTOGRAMMETRIC CARTOGRAPHIC TECHNIQUES

Course Number: 411-205.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 8 weeks (281 hours).

Exhibit Dates: 5/73–4/78.

Objectives: To train noncommissioned officers to perform as photogrammetric-cartographic technicians.

Instruction: Lectures and practical exercises in earth and physical sciences as related to the photogrammetric-cartographic career area, including regional physiography, geodetic datums, horizontal and vertical control, positional evaluation, photographic metrics, projections, grids, photo tilt, photo restitution, structural heights, industrial analysis, photogrammetric equipment, aerial reconnaissance systems, and support functions of photographic and lithographic areas.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 8 semester hours in photogrammetric interpretations (5/74); in the upper-division baccalaureate category, 6 semester hours in photogrammetric interpretations (5/74).

DD-1601-0006

GEODETIC COMPUTING

Course Number: 412-82E20; 5ABD22231; 412-102.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 11 weeks (378 hours).

Exhibit Dates: 12/72–4/77.

Objectives: To train enlisted personnel in geodetic computing.

Instruction: Lectures and practical exercises in geodetic computing, including comprehensive mathematics review; use of electronic calculators; map reading; computations in grid and declination grid conversions and transformations; grid traverses and electronic distance measurements; grid triangulation, leveling, traverse, and trilateration; astronomic azimuth and position; and adjustment of geometric figures, directions, linelength, and elevation difference from surveyor notes.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 12 semester hours in geodetic computations (5/74); in the upper-division baccalaureate category, 8 semester hours in geodetic computations (5/74).

Related Occupation Codes: 82E.

DD-1601-0007

MAPPING, CHARTING, AND GEODESY OFFICER

Course Number: 4M-7915; 4M-F2; 5OZD5724; 4M-701.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: *Version 1:* 14 weeks (454 hours). *Version 2:* 12 weeks (372 hours).

Exhibit Dates: *Version 1:* 12/77–Present. *Version 2:* 1/74–11/77.

Objectives: Provides officers and selected civilian personnel with a broad background in programs of topographic, aerospace and hydrographic operations applied to surveying, remote sensing, cartography, and graphic arts.

Instruction: *Version 1:* Lectures and limited practical exercises in remote sensing, photogrammetric operations, management of cartographic operation, military geographic information, new development in mapping, charting, and geodesy. Background of appropriate technical mathematics is reviewed. Students completing this course would have a background equivalent to up to 6 semester hours in technical mathematics. *Version 2:* Lectures and practical exercises in mapping,charting and geodesy processes, including theory of errors; and MC and G survey, photogrammetric, cartographic,and reproduction operations.

Credit Recommendation: *Version 1:* In the upper-division baccalaureate category, 6 semester hours in cartography, civil engineering, civil engineering technology, geodetic science, photogrammetry or and combination of these. (5/81); in the graduate degree category, 3 semester hours in cartography, civil engineering, engineering management, geodetic science, surveying, or photogrammetry (5/81). Credit is to be granted in either the upper division or the graduate category but not both. *Version 2:* In the lower-division baccalaureate/associate degree category, 9 semester hours in mapping, charting, and geodesy (5/74); in the upper-division baccalaureate category, 6 semester hours in mapping, charting, and geodesy (5/74).

DD-1601-0008

CONSTRUCTION SURVEYING

Course Number: 412-82B10; 412-82B20; 412-110.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: *Version 1:* 15 weeks (473 hours). *Version 2:* 11 weeks (362 hours).

Exhibit Dates: *Version 1:* 4/81–Present. *Version 2:* 7/72–3/81.

Objectives: To train military personnel with a working knowledge of conventional surveying with a special emphasis on problems connected with military construction.

Instruction: Lectures and practical exercises in plane surveying fundamentals, including equipment maintenance, recording procedures, map reading, route selection, one-minute theodolite, engineer transit, horizontal taping, traverse layout, plane traverse computation, engineer dumpy level,

BEST COPY AVAILABLE

differential leveling, trigonometric elevations, planetable surveying, transit-stadia, contour strip map, horizontal curves, road layout, profile and cross-section leveling, profile and grade line plotting, vertical curves, end area, volumes, boundary alignment, slope and grade stakes, site plans and construction drawings, and building utilities and airfield layout.

Credit Recommendation: *Version 1:* In the vocational certificate category, 10 semesters hours in construction surveying or highway surveying (5/81); in the lower-division baccalaureate/associate degree category, 2 semester hours in technical mathematics, 6 in civil surveying and/or civil engineering, 2 in architectural drafting (5/81). *Version 2:* In the vocational certificate category, 10 semester hours in construction surveying (5/74); in the lower-division baccalaureate/associate degree category, 8 semester hours in construction surveying (5/74); in the upper-division baccalaureate category, 6 semester hours in construction surveying (5/74).

Related Occupation Codes: 82B.

DD-1601-0009

PHOTOGRAMMETRIC COMPILATION

Course Number: 411-203; 411-81C30.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 7-8 weeks (248-270 hours).

Exhibit Dates: 6/71-10/81.

Objectives: To train map compilers in the principles and techniques of photogrammetric map compilation including analog and analytical model orientation and stereo compilation techniques.

Instruction: Lectures and practical exercises in the principles and techniques of photogrammetric map compilation, including multiplex stereoplotting equipment, multiplex stereoplotter orientation, reduction printing, stereocompilation, high-precision stereoplotter, stereotriangulation, and special operational subjects.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in basic photogrammetric compilation (5/81); in the upper-division baccalaureate category, 3 semester hours in advanced photogrammetric compilation (5/81).

Related Occupation Codes: 81C.

DD-1601-0010

BASIC GEODETIC SURVEY
(Geodetic Surveying)
(Basic Geodetic Surveying)

Course Number: 412-101.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 14-18 weeks (450-589 hours).

Exhibit Dates: 2/77-Present.

Objectives: To provide individuals with the skills and knowledge to establish ground survey control for assigned mapping, charting, and geodetic missions.

Instruction: Lectures and practical exercises in direction measurements using theodolites, distance measurements through using tape, microwave, and infrared; differential leveling; grid systems, their computations, conversion and transfer; traverse; triangulation; planetable surveys for Army and Marine Corps personnel; and for Air Force personnel only, astronomic surveys including field astronomy, conversion of time, azimuth observations, and astronomic positioning, and geodetic surveying.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in technical mathematics, 3 in topographic or architectural surveying (5/81); in the upper-division baccalaureate category, 3 semester hours in geodetic surveying (5/81).

Related Occupation Codes: 82D

DD-1601-0011

BASIC CARTOGRAPHY

Course Number: 411-200.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 11-17 weeks (354-498 hours)

Exhibit Dates: 6/79-Present.

Objectives: To provide required knowledge to perform basic cartographic and photogrammetric tasks with general supervision.

Instruction: Lectures and laboratory exercises including aerial photo interpretation, planimetric compilation, map revision, photomap construction, and negative engraving.

Credit Recommendation: In the vocational certificate category, 4 semester hours in cartographic laboratory techniques including drafting and scribing (5/81); in the lower-division baccalaureate/associate degree category, 3 semester hours in introduction to maps and map interpretation or 2 semester hours in architectural or civil engineering drafting (5/81); In the upper-division baccalaureate category, 3 semester hours in laboratory techniques in cartography (5/81).

Related Occupation Codes: 81C.

DD-1601-0012

BASIC TOPOGRAPHIC OFFICERS

Course Number: 4M-703.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 8 weeks (296 hours).

Exhibit Dates: 9/77-12/80.

Objectives: To introduce commissioned officers to the process of map production including data collection, compilation, data analysis, drafting and reproduction.

Instruction: Subjects include survey operations; field data collection and classification; remote sensing; map base revision; terrain evaluation including natural and manmade features; field exercises; color separation including negative engraving, type placement, quality control and management, and mosaics; graphic arts operations including process camera operation, layout procedures, scribe and peel sheet preparation, platemaking operations, and lithographic press operation.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in introduction to graphic arts, 3 in elements of physical and human geography, 3 in maps and map interpretation (5/81); in the upper-division baccalaureate category, 2 semester hours in geographic field techniques (5/81).

Related Occupation Codes: 21D.

DD-1601-0013

BASIC PHOTOGRAPHIC PROCESSES

Course Number: 740-83E10; 740-306.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 14 weeks (432-460 hours).

Exhibit Dates: 11/76-Present.

Objectives: To teach enlisted personnel technical skills and knowledge related to basic photolithographic processes and graphic arts reproduction.

Instruction: Includes teaching the student to prepare single and multicolor camera ready copy utilizing cold type equipment and metric measurement; course is devoted primarily to camera operations and stripping and platemaking operations.

Credit Recommendation: In the vocational certificate category, 10 semester hours in graphic arts, printing, or photlithographic processes (5/81); in the lower-division baccalaureate/associate degree category, 2 semester hours in photomechanical processes, 4 in offset reproduction (5/81).

Related Occupation Codes: 83E.

DD-1601-0014

ADVANCED GEODETIC SURVEY

Course Number: 4M-F1/412-F2; 710 (4M-710)(USMC); 4M-710.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 14 weeks (448 hours).

Exhibit Dates: 4/82-Present.

Objectives: To provide individuals with geodetic survey techniques and procedures to plan, conduct, control and complete survey projects.

Instruction: Lectures and practical exercises in geodetic survey techniques including horizontal and vertical surveys, geodetic satellite surveys, photogrammetric and map edit surveys; project planning; project execution; briefing; and report writing.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in technical mathematics, 3 in technical communications, 3 in engineering surveying, 3 in management and supervision (5/81); in the upper-division baccalaureate category, 3 semester hours in geodetic surveying (5/81); in the graduate degree category, 3 semester hours in management engineering (5/81).

Related Occupation Codes: 821A; 82D.

DD-1601-0015

ANALYTICAL PHOTOGRAMMETRIC POSITIONING SYSTEM

Course Number: 411-207.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 2 weeks (80 hours).

Exhibit Dates: 5/80-Present.

Objectives: To develop an understanding of photogrammetric and mapping concepts, provide limited theory, and a working skill using the Analytical Photogrammetric Positioning System (APPS) point positioning.

Instruction: Students learn the components, general operating procedures, and at least three applications of the Analytical Photogrammetric Positioning System (APPS) including assembly and disassembly and performance of diagnostic procedures on the system especially as it is used as a photo interpretation measuring device.

Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cartography, photogrammetry, civil engineering, surveying, or geodetic science (5/81); in the graduate degree category, 3 semester hours in cartography, photogrammetry, civil engineering, surveying, or geodetic science. Credit is to be granted in either the upper division or the graduate category as appropriate (5/81).

Related Occupation Codes: 81C.

DD-1601-0016

CARTOGRAPHIC SUPERVISOR

Course Number: 411-241.

BEST COPY AVAILABLE

Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 2 weeks (69 hours).
Exhibit Dates: 10/80–Present.
Objectives: To provide the student with basic transferrable skills in supervision and management.
Instruction: Topics include project planning, implementation, scheduling, quality control, inventory management, and field application.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in management and supervision or in production management (5/81).

DD-1601-0017

MAPPING, CHARTING, AND GEODESY SENIOR OFFICER

Course Number: 4M-702.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 2 weeks (63 hours).
Exhibit Dates: 1/81–Present.
Objectives: To provide senior level officers of all services and higher rated civilians with a training program in mapping, charting, and geodesy particularly as this training relates to command, staffing and management of sophisticated mapping, charting, and geodesy programs. Emphasis is on personalities, products, and new developments within the system.
Instruction: This course provides an introduction to mapping, charting, and geodesy with the development of an understanding of concepts in remote sensing, satellite geodesy, Analytical Photogrammetric Positioning System (APPS), and digital processing. Planning, programming, and budgeting are considered and the roles of the various services are introduced. Research and development, and command and management of mapping, charting, and geodesy are carefully documented by the introduction of specially selected guest speakers who have experienced the problems in an operational mode.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in cartography, civil engineering, civil engineering technology, geodetic science, surveying or surveying technology or photogrammetry (5/81); in the graduate degree category, 3 semester hours in cartography, civil engineering, geodetic science, surveying, or photogrammetry. Credit is to be granted in either the upper division or graduate category (5/81).
Related Occupation Codes: 21D.

DD-1601-0018

TERRAIN ANALYSIS

Course Number: 491-401.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 12 weeks (395 hours).
Exhibit Dates: 10/80–Present.
Objectives: To train individuals in terrain analysis through the observation, measurement, and interpretation of the earth science as applied to land use.
Instruction: Lectures, practical exercises and field experience in terrain analysis, map reading, aerial photo interpretation, and analysis of remotely sensed imagery; rural, urban, industrial and transportation land use; weather and climate vegetation and hydrology, and physiology.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in maps and map interpretation, 4 in physical geography (5/81); in the upper-division baccalaureate category, 3 in physical geography field techniques (5/81).
Related Occupation Codes: 81C.

DD-1606-0001

NATIONAL SENIOR INTELLIGENCE

Course Number: None.
Location: Defense Intelligence School, Washington, DC.
Length: 14 weeks (560 hours).
Exhibit Dates: 6/72–7/81.
Objectives: To provide officers and civilian personnel with the knowledge necessary to hold management positions in the field of national and international intelligence.
Instruction: Lectures in the processing and management of intelligence information, development and implementation of U.S. foreign policy, the national intelligence structure, and government agencies involved in foreign policy. The Defense Intelligence School is now accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools.
Credit Recommendation: In the upper-division baccalaureate category, 6 semester hours in international relations, public administration, or political science (1/74).

DD-1706-0001

MULTILITH 1250 REPAIR

Course Number: 690-621.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 2 weeks (80 hours).
Exhibit Dates: 11/73–1/75.
Objectives: To train multilith operators to troubleshoot, and perform preventive maintenance on, 1250 multiliths.
Instruction: Lectures and practical exercises on the preventive maintenance and repair of the 1250 multilith, including mechanical adjustments necessary to maintain the operational capability of the 1250 multilith, normal operator adjustments, system alignments and adjustments, maintenance, case problems, and preventive maintenance.
Credit Recommendation: In the vocational certificate category, 3 semester hours in multilith 1250 repair (6/74).

DD-1706-0002

REPRODUCTION EQUIPMENT REPAIR

Course Number: 690-41B20; 690-620.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 15 weeks (478–512 hours).
Exhibit Dates: *Version 1:* 2/79–Present. *Version 2:* 6/72–1/79.
Objectives: To train enlisted personnel to operate and repair, and calibrate mechanical/electrical reproduction equipment, copy cameras, power paper cutters, paper folder-stitchers, and offset duplicating machines.
Instruction: *Version 1:* Lectures and practical exercises in the operation and maintenance of mechanical/electrical equipment. Course includes: introduction to photolithography techniques; repair, adjustment and calibration of graphic arts reproduction equipment to include photomechanical, electrical power sources, switches and relays, mechanical timing and pneumatic devices, paper shears, binders, paper drills, and folders. *Version 2:* Lectures and practical exercises in the operation and maintenance of reproduction equipment. Course includes the 24 X 30 copy camera, introduction to photolithography, repair parts supply, operational adjustments, aligning adjustments, repair procedures, maintenance of layout and platemaking equipment, repair of electrical components, repair and maintenance of power paper cutter, repair, maintenance, and timing of the offset duplicating machine, and the maintenance and repair of the bindery equipment and the paper folder and stitcher.
Credit Recommendation: *Version 1:* In the vocational certificate category, 5 semester hours in mechanical/electrical graphic arts or business machine operation, calibration, and equipment (5/81); in the lower-division baccalaureate/associate degree category, 4 semester hours in mechanical/electrical equipment calibration and repair (5/81). *Version 2:* In the vocational certificate category, 5 semester hours in business machine repair (5/74); in the lower-division baccalaureate/associate degree category, 3 semester hours in business machine repair (5/74).
Related Occupation Codes: 41K.

DD-1709-0001

INTERMEDIATE PHOTOJOURNALISM

Course Number: 570-ASJ58.
Location: Defense Information School, Ft. Benjamin Harrison, IN.
Length: Self-paced 7 weeks (276–280 hours).
Exhibit Dates: *Version 1:* 10/78–Present. *Version 2:* 10/77–9/78.
Objectives: To provide photojournalism training for journalists and photographers.
Instruction: Students are given instruction in basic camera techniques, basic and advanced black and white darkroom procedures, Ektachrome slide processing, photo layout and design, and multi-media slide presentations. A course option includes news, feature, and cutline writing. Part of course is self-paced.
Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 2 semester hours in photography, 2 in news and feature writing (print), and 2 in audio visual presentation techniques(2/80). *Version 2:* In the upper-division baccalaureate category, 3 semester hours in photojournalism (2/78)

DD-1713-0001

MAP COMPILATION

Course Number: 413-81B20; 411-202.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 9 weeks (325 hours).
Exhibit Dates: 10/70–Present.
Objectives: To train enlisted personnel in the compilation and revision of planimetric maps, topographic maps, and photomaps, using drafting instruments and plotting devices.
Instruction: Lectures and practical exercises in the compilation and revision of planimetric, topographic, and photomaps, including compilation base and radial triangulation, map compilation and revision, aerial photography planning and mosaics, extraction of cartographic detail from aerial photographs, color separation, situation overlays and special studies, maintenance of cartographic equipment and facilities, and editing of color separation scribe sheets.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 7 semester hours in map compilation (5/74); in the upper-division baccalaureate

BEST COPY AVAILABLE

category, 4 semester hours in map compilation (5/74).

DD-1713-0002

CARTOGRAPHIC DRAFTING

Course Number: 411-201.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 9 weeks (293 hours).
Exhibit Dates: 5/72–9/74.
Objectives: To train enlisted personnel to perform as cartographic draftsmen.
Instruction: Lectures and practical exercises in cartographic drafting. Topics include compilation base and radial triangulation, basic compilation and map revision, aerial photomosaics, color separation, and situation overlays and special studies.
Credit Recommendation: In the vocational certificate category, 6 semester hours in cartographic drafting (5/74); in the lower-division baccalaureate/associate degree category, 4 semester hours in cartographic drafting (5/74); in the upper-division baccalaureate category, 2 semester hours in cartographic drafting (5/74).

DD-1713-0004

CONSTRUCTION DRAFTING

Course Number: 413-81B20; 413-210.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 11 weeks (360–405 hours).
Exhibit Dates: *Version 1:* 5/79–Present. *Version 2:* 3/71–4/79.
Objectives: To train enlisted personnel to perform as construction or architectural draftsmen.
Instruction: *All Versions:* Lectures and practical exercises in the preparation of working drawings, charts, and graphs for the construction of roads, airfields, bridges, buildings, ports, harbors, and other military construction, including construction drafting; preparation of mechanical, construction, utilities, structural, and technical drawings; engineer drawings; mechanical lettering; and charts and graphs. *Version 1:* Includes presentation drawings.
Credit Recommendation: *Version 1:* In the vocational certificate category, 10 semester hours in design and drafting (5/81); in the lower-division baccalaureate/associate degree category, 8 semester hours in architectural drafting or 6 in engineering graphics (5/81). *Version 2:* In the vocational certificate category, 10 semester hours in architectural drafting (7/74); in the lower-division baccalaureate/associate degree category, 8 semester hours in architectural drafting (7/74); in the upper-division baccalaureate category, 6 semester hours in architectural drafting (7/74).
Related Occupation Codes: 81B.

DD-1715-0001

MOD 40 BOARD LEVEL MAINTENANCE
(Teletype Model 40/400 Board Level Maintenance)

Course Number: EM-144.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 2 weeks (80 hours).
Exhibit Dates: 9/76–Present.
Objectives: This course is designed to prepare electronic maintenance technicians to perform installation and corrective maintenance on the model 4/400 teletype terminal.
Instruction: This course includes troubleshooting exercises as well as classroom lecture. Technicians learn to perform installation and corrective maintenance on the model 4/400 teletype terminal.
Credit Recommendation: In the vocational certificate category, 2 semester hours in teletype model 40 maintenance (3/82).

DD-1715-0002

TD 1220/G MUX/DEMUX MAINTENANCE
(Maintenance of the TD 1220/G Multiplexer-Demultiplexer)
(Operation, Maintenance,and Repair of the TD 1220/G and TD 1246/G Multiplexer-Demultiplexer)

Course Number: EM-212.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 2 weeks (80 hours).
Exhibit Dates: 9/80–Present.
Objectives: To train students in the operation, maintenance, and repair of the TD-1220/G multiplexer-demultiplexer. About half of the course time is devoted to system troubleshooting.
Instruction: Course includes a detailed equipment analysis including operation of each card making up the unit. The course then continues with installation, maintenance and troubleshooting.
Credit Recommendation: In the vocational certificate category, 2 semester hours in digital mux/demux repair (3/82).

DD-1715-0003

CV-3511 ISOCHRONOUS CHANNEL CONVERTER
(CV-3511(P)/G Isochronous Channel Coverter Maintenance and Repair)

Course Number: EM-213.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 2 weeks (80 hours).
Exhibit Dates: 12/78–Present.
Objectives: This course provides the graduate with the information necessary to maintain and troubleshoot the CV-3511(P)/G Isochronous Channel Converter.
Instruction: Lectures and practical exercise topics include operation theory, installation, maintenance, and troubleshooting the CV-3511(P)/G ICC.
Credit Recommendation: In the vocational certificate category, 1 semester hour in electronic maintenance and troubleshooting (3/82).

DD-1715-0004

KG-34 CRYPTOGRAPHIC EQUIPMENT MAINTENANCE
TSEC/KG-34 Component Level Maintenance

Course Number: EM-327.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 4 weeks (160 hours).
Exhibit Dates: 8/71–Present.
Objectives: To be able to perform maintenance on the TSEC/KG-34 equipment, including transmitters and receivers, to the component level.
Instruction: Description, function, operation and employment of the TSEC/KG-30/33/34 equipment, including fault isolation procedures and practices are covered.
Credit Recommendation: In the vocational certificate category, 2 semester hours in electronic maintenance and troubleshooting (3/82).

DD-1715-0005

HONEYWELL H316R COMPUTER MAINTENANCE

Course Number: ES-319.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 7 weeks (280 hours).
Exhibit Dates: 11/76–Present.
Objectives: This course prepares personnel to maintain the H316R Honeywell computer.
Instruction: Lectures and practical exercises include machine language programming, I/O and interrupts, logic, instruction flow, and timing and control.
Credit Recommendation: In the upper-division baccalaureate category, 4 semester hours in introduction to minicomputers (assembly and machine language programming, machine architecture and I/O structure) (3/82).

DD-1715-0006

IATS SYSTEM MAINTENANCE

Course Number: ES-323.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 6 weeks (240 hours).
Exhibit Dates: 2/72–Present.
Objectives: This course prepares personnel to maintain the IATS system (Honeywell H316 digital computer based).
Instruction: Practical exercise and lecture topics include multiplex controller, digital amplifier, line termination unit, tape control unit, and the magnetic tape unit. Students will have completed Honeywell H316R Computer Maintenance (ES-319) (DD-1715-0005).
Credit Recommendation: In the vocational certificate category, 3 semester hours in computer peripheral troubleshooting and maintenance (3/82).

DD-1715-0007

LP11/LP02 LINE PRINTER MAINTENANCE

Course Number: ES-402.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 1 weeks (56 hours).
Exhibit Dates: 10/75–Present.
Objectives: This course enables the graduate to maintain the M7930 controller and the data products 2410 line printer (LP11-KA system).
Instruction: Lecture and practical exercise topics include module description, block diagrams, troubleshooting, and alignment. Student will have completed PDP-11/45 or PDP-11/40 Processor Maintenance (ES-445 or ES-440) (DD-1715-0013 or DD-1715-0012).
Credit Recommendation: In the vocational certificate category, 1 semester hour in LP11 line printer maintenance (3/82).

DD-1715-0008

RP11/RP03 DISK PACK MAINTENANCE

Course Number: ES-403.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 2 weeks (80 hours).
Exhibit Dates: 9/79–Present.
Objectives: This course enables the graduate to maintain the RP11/RP03 disk system.
Instruction: Extensive practical exercises include troubleshooting and alignment techniques. Lectures discuss signal flow and logic analysis. Students will have completed a PDP-11 Processor Maintenance course

BEST COPY AVAILABLE

such as ES-440 or ES-445 (DD-1715-0012 or DD-1715-0013).

Credit Recommendation: In the vocational certificate category, 2 semester hours in disk pack system maintenance (3/82).

DD-1715-0009

PC11/PC05 PAPER TAPE UNIT MAINTENANCE

Course Number: ES-404.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 1 week (56 hours).
Exhibit Dates: 6/78–Present.
Objectives: To enable graduates to maintain the PC11/PC05 Paper Tape Unit.
Instruction: Instructions in I/O programming, understanding of basic operation of paper tape unit, write program to operate paper tape unit. Student will have completed a PDP-11 Processor Maintenance course such as ES-440, ES-445 or ES-411 (DD-1715-0012, DD-1715-0013 or DD-1715-0011).
Credit Recommendation: In the vocational certificate category, 1 semester hour in PC11/PC05 paper tape unit maintenance (3/82).

DD-1715-0010

LP11/LP05 LINE PRINTER MAINTENANCE

Course Number: ES-408.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 1 week (56 hours).
Exhibit Dates: 6/79–Present.
Objectives: This course enables the graduate to maintain the LP11-VA line printer system to the component level.
Instruction: Extensive troubleshooting laboratory exercises are combined with classroom lecture. Topics include operation, fault logic, and alignment. Student will have completed a PDP-11 Processor Maintenance course such as ES-440 or FS-445 (DD-1715-0012 or DD-1715-0013).
Credit Recommendation: In the vocational certificate category, 1 semester hour in LP11 line printer maintenance (3/82).

DD-1715-0011

PDP-11 INSTRUCTION SET

Course Number: ES-411.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 2 weeks (80 hours).
Exhibit Dates: 4/75–Present.
Objectives: To teach machine and assembly language programming on the DEC PDP-11.
Instruction: Lecture and hands-on experience in machine and assembly language programming on the DEC PDP-11, including full word addressing, stack operations, system architecture (including UNIBUS). Many practical examples are covered in the programming exercises.
Credit Recommendation: In the upper-division baccalaureate category, 3 semester hours in machine and assembly language programming on the PDP-11 (DEC) (3/82).

DD-1715-0012

PDP-11/40 PROCESSOR MAINTENANCE

Course Number: ES-440.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 3 weeks (120 hours).
Exhibit Dates: 4/76–Present.
Objectives: This course enables the graduate to maintain the PDP-11/40 central processor unit.
Instruction: This intimate look at the PDP-11/40 CPU is supported by both lecture and meaningful practical exercises. Student will have completed PDP-11 Instruction Set (ES-411) listed as DD-1715-0011.
Credit Recommendation: In the vocational certificate category, 3 semester hours in PDP-11 CPU maintenance (3/82).

DD-1715-0013

PDP-11/45 PROCESSOR MAINTENANCE

Course Number: ES-445.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 4 weeks (160 hours).
Exhibit Dates: 5/75–Present.
Objectives: This course teaches the student to operate and maintain the DEC PDP-11/45 central processing unit.
Instruction: This intimate look at the PDP-11/45 CPU is supported by both lecture and meaningful practical exercises. Student will have completed PDP-11 Instruction Set, ES-411 (DD-1715-0011).
Credit Recommendation: In the vocational certificate category, 3 semester hours in PDP-11 CPU maintenance (3/82).

DD-1715-0014

KT11-C MEMORY MANAGEMENT

Course Number: ES-446.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 1 week (56 hours).
Exhibit Dates: 6/75–Present.
Objectives: The graduate will be able to maintain the KT11-C memory management unit option to the PDP-11/45 CPU.
Instruction: Lectures and supported with meaningful practical exercises to teach the student to maintain the KT11-C memory management unit option to the PDP-11/45 CPU.
Credit Recommendation: In the vocational certificate category, 1 semester hour in PDP-11 memory management unit maintenance (3/82).

DD-1715-0015

RK11-D/RK05 DISK SYSTEMS MAINTENANCE

Course Number: ES-412.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 2 weeks (80 hours).
Exhibit Dates: 12/77–Present.
Objectives: This course enables the graduate to maintain the RK11-D/RK05 disk system.
Instruction: This course develops logical troubleshooting techniques including preventive maintenance and alignment techniques. Students are required to complete a PDP-11 processor maintenance course prior to enrollment.
Credit Recommendation: In the vocational certificate category, 2 semester hours in floppy disk system maintenance (3/82).

DD-1715-0016

INTERMEDIATE ELINT COLLECTION AND ANALYSIS

Course Number: EA-280.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 8 weeks (280 hours).
Exhibit Dates: 8/71–Present.
Objectives: This course is designed to prepare SCA personnel to perform the duties of collector/analyst at ELINT collection sites or analysis centers with minimum supervision.
Instruction: The course combines lecture and hands-on experience. Topics include scientific notation, basic algebra and trigonometry, unit conversions, oscilloscope fundamentals, use of counters and spectrum analyzers, and fundamentals of modulation and signal analysis with emphasis on radar signals.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 3 semester hours in technical mathematics (ifcredit has not given for prerequisite), 1 in instrument familiarization laboratory, 2 in fundamental signal analysis (3/82).

DD-1715-0017

ADVANCED ELINT COLLECTION/ANALYSIS

Course Number: EA-380.
Location: National Cryptologic School, Ft. Meade, MD.
Length: 8 weeks (320 hours).
Exhibit Dates: 1/72–Present.
Objectives: This course is designed to train the student to evaluate ELINT targets with respect to performance capabilities, usage, and how they can be countered.
Instruction: The topics include an introduction to probability theory, waveform synthesis, antenna concepts, modulation, and communications system theory emphasizing microwave techniques. Course is essentially lecture only.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in basic probability theory, 3 in basic communications and signal analysis, 1 in oral communications (3/82).

DD-1719-0001

LITHOGRAPHIC STRIPPING AND PLATEMAKING

Course Number: 740-83D20; 740-302.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: 7 weeks (227 hours).
Exhibit Dates: 4/72–Present.
Objectives: To train enlisted personnel to prepare and produce offset plates to be used in the lithographic printing process.
Instruction: Lectures and practical exercises in the preparation and production of offset plates to be used in the lithographic printing process, including layout, stripping, and platemaking procedures.
Credit Recommendation: In the lower-division baccalaureate/associate degree category, 2 semester hours in graphics or printing (5/74).

DD-1719-0002

OFFSET PRINTING

Course Number: 670-41B10; 740-83F20; 740-303.
Location: Defense Mapping School, Ft. Belvoir, VA.
Length: *Version 1:* 9 weeks (282 hours). *Version 2:* 9 weeks (305 hours). *Version 3:* 8 weeks (276 hours).
Exhibit Dates: *Version 1:* 4/82–Present. *Version 2:* 5/80–3/82. *Version 3:* 11/73–4/80.
Objectives: To train enlisted personnel to adjust and operate offset presses in the re-

BEST COPY AVAILABLE

production of maps, charts, and other printed line work.

Instruction: Lectures and practical exercises in offset printing. Topics include photolithography materials, methods of producing military maps, operation of power paper cutter; maintenance of offset press, controls feeder and delivery assemblies, cylinder assembly, dampening assembly, linking assembly, printing practice, identification of printing problems, printing a three-color and five-color map, and modern methods of lithographic offset press operations.

Credit Recommendation: *Version 1:* Pending evaluation. *Version 2:* In the vocational certificate category, 6 semester hours in offset printing (5/81); in the lower-division baccalaureate/associate degree category, 3 semester hours in offset printing, 2 in introduction to graphic arts (5/81); in the upper-division baccalaureate category, 1 semester hour in photomechanical processes (5/81). *Version 3:* In the vocational certificate category, 4 semester hours in graphic arts (5/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in graphic arts (5/74).

Related Occupation Codes: 41B; 83F.

DD-1719-0003

LITHOGRAPHIC PHOTOGRAPHY

Course Number: 740-83D20; A-740-0020; 740-301.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 8 weeks (276 hours).

Exhibit Dates: 11/73–4/77.

Objectives: To train enlisted personnel to operate copy cameras and related equipment.

Instruction: Lectures and practical exercises in fundamentals of copy photography, camera operation, film processing, exposure, filters, line and continuous-tone copying, halftone magenta screens, contact printing, diapositive glass plates, pictomaps, electronic contact printer, and preventive maintenance.

Credit Recommendation: In the vocational certificate category, 2 semester hours in basic lithography on the basis of institutional evaluation (7/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in basic lithography on the basis of institutional evaluation (7/74); in the upper-division baccalaureate category, 2 semester hours in basic lithography on the basis of institutional evaluation (7/74).

DD-1719-0004

OFFSET DUPLICATING
(Offset Duplicating Equipment Operator)

Course Number: 740-304.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: *Version 1:* 7 weeks (232 hours). *Version 2:* 5 weeks (145 hours).

Exhibit Dates: *Version 1:* 3/80–11/81. *Version 2:* 11/72–2/80.

Objectives: To train enlisted personnel in the operation and basic maintenance and calibration of the offset duplicator, camera processor, and platemaker equipment.

Instruction: *Version 1:* Course includes introduction to photolithography and technical knowledge and skills in the operations maintenance, repair and calibration of mechanical duplicating equipment. *Version 2:* Course includes: introduction to photolithography; training in the operation of the 3M MR-412 Camera Processor and the A.B. Dick 675/...Copier with Platemaker Converter; and training in the operation and maintenance of other duplicating equipment, including the A&M 1250 Multilith Duplicator, the A.B. Dick 350 Duplicator, the ATF Davidson 500 Duplicator, and the ATF Davidson Perfector Duplicator.

Credit Recommendation: *Version 1:* In the vocational certificate category, 5 semester hours in business machine operation, maintenance, and repair (5/81); in the lower-division baccalaureate/associate degree category, 3 semester hours in business machine or graphic arts operation and maintenance (5/81). *Version 2:* In the vocational certificate category, 5 semester hours in offset duplicating equipment operation (6/74).

Related Occupation Codes: 81A.

DD-1719-0005

BASIC LITHOGRAPHER

Course Number: 740-309.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: 19 weeks (496–620 hours).

Exhibit Dates: 12/80–Present.

Objectives: To train enlisted personnel to operate a graphic arts (lithography) reproduction unit.

Instruction: Lectures and practical exercises in graphic arts reproduction. Course covers theory and technical skills related to photomechanical/graphic arts reproduction and includes photoprocessing, plate-making, layout and design, offset printing, binding, collating, and print shop management.

Credit Recommendation: In the vocational certificate category, 10 semester hours in offset printing (printer) (5/81); in the lower-division baccalaureate/associate degree category, 2 semester hours in photomechanical reproduction, 4 in offset printing, 1 in layout and design (graphics) (5/81); in the upper-division baccalaureate category, 3 semester hours in graphic arts reproduction, 1 in photographic processes (5/81).

DD-1721-0001

TOPOGRAPHIC INSTRUMENT REPAIR
(Optical Survey Instrument Repair)

Course Number: 670-41B20; 670-601.

Location: Defense Mapping School, Ft. Belvoir, VA.

Length: *Version 1:* 10 weeks (320 hours). *Version 2:* 12 weeks (382 hours).

Exhibit Dates: *Version 1:* 10/80–Present. *Version 2:* 2/74–9/80.

Objectives: To train enlisted personnel to maintain and repair and calibrate optical surveying and mapping instruments.

Instruction: Lectures and practical exercises in surveying and mapping instrument maintenance, adjustment, and repair, including abney hand level, dumpy level, telescopic alidade, transit, military level, one-minute and one-second theodolites, and survey tapes.

Credit Recommendation: *Version 1:* In the vocational certificate category, 8 semester hours in instrument optical repair (5/81); in the lower-division baccalaureate/associate degree category, 3 semester hours in mechanical/optical testing and calibration (5/81). *Version 2:* In the vocational certificate category, 8 semester hours in optical survey instrument repair (5/74).

Related Occupation Codes: 81A.

DD-1728-0001

INDUSTRIAL SECURITY SPECIALIST

Course Number: 5220-2.

Location: Defense Industrial Security Institute, Richmond, VA.

Length: *Version 1:* 5 weeks (182–183 hours). *Version 2:* 3 weeks (113 hours).

Exhibit Dates: *Version 1:* 7/76–Present. *Version 2:* 9/72–6/76.

Objectives: To provide industrial security specialists with training in defense industrial security.

Instruction: *All Versions:* Lectures and practical exercises in the history, management, application, and functions of the defense industrial security program, organization for security cognizance, laws and regulations, security hazards, applicable security resources, responsibilities of contracting officers, personnel clearance programs, inspections, security education program, security arrangements, international aspects, and espionage. *Version 1:* This version emphasizes the security threat against the U.S. government and industry; facility protection programs; classified document control; electronic and physical security measures; communications security; vulnerabilities of and protective measures for automatic data-processing systems, emergency/disaster planning and procedures. Audio-visual presentations.

Credit Recommendation: *Version 1:* In the lower-division baccalaureate/associate degree category, 5 semester hours in criminal justice or security administration and management (1/77). *Version 2:* In the vocational certificate category, 2 semester hours in criminology (5/74); in the lower-division baccalaureate/associate degree category, 2 semester hours in criminology (5/74); in the upper-division baccalaureate category, 2 semester hours in criminology (5/74).

DD-1728-0002

INFORMATION SECURITY MANAGEMENT

Course Number: 5220.7.

Location: Defense Industrial Security Institute, Richmond, VA.

Length: 2 weeks (73 hours).

Exhibit Dates: 6/74–Present.

Objectives: To provide instruction on elements of the Defense Department Information Security Program, with particular emphasis on proper security classification and the safeguarding of classified information. Note: This course consists of two 1-week components, referred to separately as (1) Classification Management and (2) Safeguarding Classified Information. Recommended credit is for combined courses only.

Instruction: The security manager; organization for security; policies, objectives and management implementation; classification principles and problems; declassification and downgrading; markings and control of classified documents; communications security; automatic data-processing security; emergency planning; and processing security violations and compromises.

Credit Recommendation: In the upper-division baccalaureate category, 2 semester hours in criminal justice or security administration and management (1/77).

BEST COPY AVAILABLE

DANTES Subject Standardized Tests (DSST's)

The Defense Activity for Non-Traditional Education Support (DANTES) provides support to the voluntary education programs of all military services. DANTES was created in May 1974 after disestablishment of the United States Armed Forces Institute (USAFI). Policy control of DANTES rests with the Office of the Secretary of Defense; DANTES policy is administered by a Department of Defense policy council on which all military services are represented.

DANTES began offering Subject Standardized Tests when it was established in July 1974. Many of the tests were identical with those sponsored by the United States Armed Forces Institute (USAFI) prior to its disestablishment. Each test in this series is intended to reflect the knowledge and understanding normally associated with a term of study in a university, college, or technical school (i.e., postsecondary programs leading to a degree or certificate). The DSST's are administered through military education and testing centers worldwide and are available to active military personnel only. Participation in the program is optional.

The DSST's are a series of multiple-choice subject-matter examinations in college and technical subjects. DSST's are essentially end-of-course achievement tests. Each DSST is based on several textbooks commonly used for a course of the same or similar title. Examinee scores are reported as percentiles (PR) for early DSST forms designated as SA or SB; scores are reported as standard scores (SS) (mean 50, standard deviation 10) for recent DSST forms designated SC, SD, SE, and SF. Both score scales are based on test results for large standardization samples of students completing relevant courses.

DANTES regularly contracts with test development organizations to revise and update DSST's and to produce additional new tests. Prior to their distribution, the tests are evaluated by the ACE Office on Educational Credit and Credentials (OECC). As a matter of policy, the recommended amount and type of credit, minimum test score for which credit should be awarded, and the length of initial Commission recommendation are based primarily on the suggestions of each faculty subject matter review panel. The recommended minimum test score for credit awards is established for each DSST at the level judged by faculty reviewers to represent the knowledge and understanding that would be clearly deserving of credit at most institutions offering comparable courses. (No actual data on grades are provided by the DSST test developer, so these score levels are based on the faculty reviewers' subjective judgments and on their inspection of the normative data provided.) Summaries of the test reviews are available in the ACE *Guide to Credit by Examination.*

The ACE credit recommendations for DSST's, as of the publication date of the *Guide*, are indicated below. Since recommendations for additional new tests are anticipated and those for others will soon expire, readers are urged to refer to *OECC News* for supplementary recommendations on revised or newly developed DSST's.

Test Form	Title	Credit Amount (Sem. Hrs.)	Minimum Score
SB404	Survey of English Literature	3B	20PR
SA408	Survey of American Literature I	3B	20PR
SA409	Survey of American Literature II	3B	20PR
SA424	Intermediate College Algebra	3B	20PR
SC424	Intermediate College Algebra	3B	50SS
SE424	Intermediate College Algebra	3B	46SS
SB425	College Algebra	3B	20PR
SC425	College Algebra	3B	50SS
SB433	Basic Statistics	3B	20PR
SC433	Basic Statistics	3B	54SS
SA435	Plane Trigonometry	3B	20PR
SC435	Plane Trigonometry	3B	50SS
SA440	Calculus I	4B	20PR
SC440	Calculus I	4B	50SS
SE440	Calculus I	4B	49SS
SA441	Calculus II	4B	20PR

BEST COPY AVAILABLE

Test Form	Title	Credit Amount (Sem. Hrs.)	Minimum Score
SC441	Calculus II	4B	52SS
SA445	Differential Equations	3B	20PR
SC445	Differential Equations	3B	54SS
SA446	Linear Algebra	3B	20PR
SC446	Linear Algebra	3B	52SS
SE446	Linear Algebra	3B	47SS
SB453	Principles of Economics I	3B	20PR
SC453	Principles of Economics I	3B	48SS
SB454	Principles of Economics II	3B	20PR
SC454	Principles of Economics II	3B	54SS
SB457	History of Western Civilization to 1500	3B	20PR
SC457	History of Western Civilization to 1500	3B	53SS
SB458	History of Western Civilization Since 1500	3B	20PR
SC458	History of Western Civilization Since 1500	3B	50SS
SA462	History of the American Negro	3B	20PR
SA467	History of Modern East Asia	3B	20PR
SA468	History of Southeast Asia	3B	20PR
SA471	History of Africa	3B	20PR
SA472	Problems of Contemporary Latin America	3B	20PR
SA481	Modern European Governments	3B	20PR
SA482	Modern Asian Governments	3B	20PR
SB488	Psychology of Adjustment	3B	20PR
SC488	Psychology of Adjustment	3B	53SS
SA491	Educational Psychology	3B	20PR
SC491	Educational Psychology	3B	56SS
SA494	General Anthropology	3B	20PR
SC494	General Anthropology	3B	50SS
SE494	General Anthropology	3B	47SS
SA497	Introduction to Law Enforcement	3B	20PR
SC497	Introduction to Law Enforcement	3B	50SS
SE497	Introduction to Law Enforcement	3B	47SS
SB498	Criminology	3B	20PR
SC498	Criminology	3B	56SS
SE498	Criminal Justice	3B	49SS
SB500	Astronomy I	2B	20PR
SC500	Astronomy	3B	48SS
SE500	Astronomy	3B	47SS
SA505	General Geophysics	3B	20PR
SC505	General Geophysics	3B	51SS
SE505	General Geophysics	3B	46SS
SE507	ACS General Chemistry	6B	57SS
SA510	Oceanography	3B	20PR
SB512	Principles of Physical Science I	3B	20PR
SC512	Principles of Physical Science I	3B	51SS
SA514	College Chemistry I	3T	20PR
SC514	College Chemistry I	3B	55SS
SA515	College Chemistry II	3T	20PR
SC515	College Chemistry II	3B	53SS

BEST COPY AVAILABLE

Test Form	Title	Credit Amount (Sem. Hrs.)	Minimum Score
SB517	College Physics I	3B	20PR
SB518	College Physics II	3B	20PR
SC518	College Physics II	3B	55SS
SA519	Geology I	3B	20PR
SC519	Geology I	3B	54SS
SA520	Geology II	3B	20PR
SC520	Geology II	3B	53SS
SA525	Principles of Accounting I	3B	20PR
SC525	Principles of Financial Accounting I	3B	50SS
SE530	Personnel/Human Resources Management	3B	48SS
SB533	Business Law I	3B	20PR
SC533	Business Law I	3B	53SS
SB534	Business Law II	3B	20PR
SA535	Introduction to Data Processing	2B	20PR
SE536	Introduction to Computers with BASIC Programming	3B	48SS
SA539	Principles of Management	3B	20PR
SC539	Introduction to Management	3B	54SS
SB543	Introduction to Business	3B	20PR
SC543	Introduction to Business	3B	48SS
SB544	Personnel Management	3B	72P#
SA546	Risk and Insurance	3B	20PR
SC546	Risk and Insurance	3B	54SS
SB547	Introduction to Real Estate	3B	67P#
SA548	Money and Banking	3B	20PR
SC548	Money and Banking	3BU	52SS
SE548	Money and Banking	3BU	47SS
SA549	Marketing	3B	20PR
SC549	Basic Marketing	3B	50SS
SA550	Climatology/Meteorology	3T/3B	20PR
SC550	Meteorology and Climatology	3B	55SS
SA560	Introduction to Education	3B	20PR
SC560	Introduction to Education	3B	56SS
SA561	History and Philosophy of Education	3B	20PR
SA562	Principles of Guidance	3B	20PR
SC562	Principles of Guidance	3B	55SS
SA568	Introduction to Forestry	3B	20PR
SC568	Introduction to Forestry	2B	52SS
SA577	Beginning French I	+	20PR
SC577	Beginning French I	3B	50SS
SA578	Beginning French II	++	20PR
SC578	Beginning French II	3B	50SS
SA579	Beginning German I	+	20PR
SC579	Beginning German I	4B	50SS
SE579	Beginning German I	3B	47SS
SA580	Beginning German II	++	20PR
SC580	Beginning German II	3B	55SS
SE580	Beginning German II	3B	45SS
SA583	Beginning Spanish I	+	20PR
SC583	Beginning Spanish I	3B	50SS
SA584	Beginning Spanish II	++	20PR

BEST COPY AVAILABLE

Test Form	Title	Credit Amount (Sem. Hrs.)	Minimum Score
SC584	Beginning Spanish II	3B	50SS
SA585	Beginning Italian I	+	20PR
SC585	Beginning Italian I	3B	47SS
SA586	Beginning Italian II	++	20PR
SC586	Beginning Italian II	3B	48SS
SA740	Auto Mechanics I	3T	20PR
SC740	Auto Mechanics I	3T/3B	50SS
SA741	Auto Mechanics II	3T	20PR
SC741	Auto Mechanics II	3T/3B	50SS
SA756	Introduction to Carpentry	3T	20PR
SC756	Introduction to Carpentry	2T/2B	54SS
SB770	Basic Technical Drawing & Graphics	3T	20PR
SC770	Basic Technical Drawing & Graphics	3T/3B	50SS
SA781	Fundamentals of Electricity	2T	20PR
SC781	Fundamentals of Electricity	3T	55SS
SA785	Electrical Measuring Instruments	3T	20PR
SC785	Electrical Measuring Instruments	2T	57SS
SA788	Introduction to Electronics I	3T	20PR
SC788	Introduction to Electronics I	3T	57SS
SA789	Introduction to Electronics II	3T	20PR
SC789	Introduction to Electronics II	3T	57SS
SB794	Introduction to Diesel Engines I	3T	30P#
SB795	Introduction to Diesel Engines II	3T	30P#
SA810	Technical Mathematics I	5T/3B	20PR
SC810	Technical Mathematics I	4B	54SS
SA811	Technical Mathematics II	5T/3B	20PR
SA820	Technical Writing	3T/3B	20PR
SE820	Technical Writing	3B	47SS
SB885	Fundamentals of Radio	3T	20PR
SC885	Fundamentals of Radio	6T/4B	54SS
SA890	Radio Servicing	4T/2B	20PR
SC890	Radio Servicing	4T	55SS
SA891	Television Servicing	4T/2B	20PR
SC891	Television Servicing	3T	55SS
SA936	Introduction to Refrigeration	4T	20PR
SC936	Intro. Air Cond., Refrig. & Heating	3T	53SS
SE936	Intro. Air Cond., Refrig. & Heating	3T	42SS
SA960	Introduction to Quality Control	3B	20PR

Recommended minimum scores for awarding credit based on these tests (if taken before December 1976) are at the 20th percentiles; use percentile listed if taken after that date.

NOTES

1. Recommendations for forms designated "SC" also apply to those designated "SD." Recommendations for form "SE" also apply to form "SF".

2. Scores on forms "SA" and "SB" are percentiles (PR); those on forms "SC", "SD", "SE", & "SF" are standard scores (SS) with mean 50 and standard deviation 10. Scores are based on results for large samples of college students completing courses comparable to the tests.

3. "+" and "++" represent, respectively, the amounts of credit normally awarded for one- and two-semester

BEST COPY AVAILABLE

introductory courses at the institution.

4. Abbreviations used for credit categories are:

"T": Associate/Technical Credit Level* This category describes tests corresponding to course work normally taken in technical associate degree programs and in certificate or diploma (nondegree) programs that are usually a year or less in length and designed to provide students with occupational skills.

"B": Baccalaureate/Associate Level* This category describes tests corresponding to course work normally taken in the first two years of a baccalaureate program and in programs leading to the associate in arts, associate in science, or associate in applied science degrees.

"BU": Baccalaureate Upper-Division Level* This category describes tests corresponding to course work normally taken in the last two years of a baccalaureate program.

USING THESE RECOMMENDATIONS

The American Council on Education recommends that credit for USAFI/DANTES courses and tests be granted only after successful completion is verified from official records.

Official records for service personnel and veterans completing USAFI (United States Armed Forces Institute) courses and tests prior to its disestablishment on June 30, 1974, can be obtained at no cost from DANTES Contractor Representative (Transcripts), Educational Testing Service, P.O. Box 2879, Princeton, New Jersey 08541. Credit recommendations for USAFI courses and tests may be obtained from OECC.

Official records for individuals who completed DANTES Subject Standardized Tests after July 1, 1974, can be obtained for a nominal fee from DANTES Contractor Representative (CLEP), Educational Testing Service, P.O. Box 2819, Princeton, New Jersey 08541. Toll-free telephone: (800) 257-9484.

Assistance in interpreting or applying these recommendations is available from the staff, Office on Educational Credit and Credentials, Suite 20, One Dupont Circle, Washington, D.C. 20036-1193 (Phone: 202-939-9479)

BEST COPY AVAILABLE

Appendix

The Evaluation Systems

The American Council on Education has developed and refined comprehensive procedures and criteria for the evaluation of military learning experiences. This appendix outlines the historical development of the *Guide;* defines which courses can be found in the *Guide;* describes the evaluation systems used to prepare the recommendations for military formal courses; and includes definitions and guidelines pertaining to categories of educational credit and the semester hour standard.

BACKGROUND

Early editions of the *Guide to the Evaluation of Educational Experiences in the Armed Services* were prepared in response to specific needs. Immediately after World War II, the consensus in the educational community was that the practice of granting blanket credit to World War I veterans as a reward for length of service was educationally unsound. Educators concluded that military learning experiences applicable to civilian curricula should be assessed by civilian education specialists for potential credit. Therefore, in December 1945, at the request of civilian educational institutions and the regional accrediting associations, the American Council on Education established the Commission on Accreditation of Service Experiences—renamed the Commission on Educational Credit and Credentials in 1979—to evaluate military educational programs and to assist institutions in granting credit for such experiences. Accordingly, the first edition of the *Guide* was published to assist educational institutions in evaluating service courses completed by returning veterans.

The extension of the World War II G.I. Bill to include veterans of the Korean conflict, and the subsequent enrollment of many veterans in colleges and universities, created a need for the second edition, published in 1954.

The 1968 edition was prepared in anticipation of the increased enrollment of veterans resulting from the educational assistance provided under the Veterans Readjustment Benefits Act of 1966, and with the expectation that many would apply for educational credit for their learning experiences in the armed services. In addition, technological advances had necessitated major changes in service training, with a resulting need for new or revised educational credit recommendations.

The 1974 edition was prepared primarily to respond to three emerging considerations. First, because of the growth in vocational and technical programs and the emergence of the concept of postsecondary education, there was need to evaluate courses for possible credit in the vocational and technical categories in addition to the baccalaureate and graduate categories of previous editions. Second, active-duty service men and women were enrolling in increasing numbers in civilian educational programs and were seeking credit for military formal courses soon after completing their service school training. Third, credit recommendations were needed for the many courses initiated or revised by the military since 1968.

The 1974 edition marked the beginning of a new approach to reporting evaluations of formal military training. At its fall 1973 meeting, the Commission approved the concept of an ongoing *Guide* System. Elements of that system include the publication of biennial editions of the *Guide* through computerized composition, continuous staff review of courses, and the computerized storage of course information for a more rapid updating of credit recommendations and for an improved ability to respond to inquiries related to course identification and credit recommendations.

Over the years the recommendations contained in the *Guide* have assisted education institutions in granting credit to hundreds of thousands of service men and women. Surveys conducted by OECC showed that most of the nation's colleges and universities use the formal course recommendations in awarding credit to veterans and active-duty service personnel. The recommendations have been widely accepted because military formal courses share certain key elements with traditional postsecondary programs: they are formally approved and administered, are designed for the express purpose of achieving learning outcomes, are conducted by qualified persons with specific subject-matter expertise, and are structured to provide for the reliable and valid assessment of student learning.

THE COURSES

Courses listed in the *Guide* are normally service school courses conducted on a formal basis, i.e., ap-

BEST COPY AVAILABLE

proved by a central authority within each service and listed by the service in its catalog. These courses are conducted for a specified period of time with a prescribed course of instruction, in a structured learning situation, and with qualified instructors.

Most courses are given on a full-time basis. After 1981 OECC began limited evaluation of courses that are 45 academic hours in length. Prior to that time courses evaluated were at least of two weeks' duration; or, if less than two weeks in length, the course had to include a minimum of sixty contact hours of instruction. Before 1973 the minimum length requirement was three weeks or 90 hours.

Recommendations for formal courses offered between World War II and 1954 are available in the 1954 edition of the *Guide* or from the Office on Educational Credit and Credentials upon written request by education officials. In addition, military Subject Standardized Tests (SST's) are evaluated by the American Council on Education, and are included in all volumes of the *Guide*.

THE COURSE EVALUATION SYSTEM

In the fall of 1973, the Commission on Educational Credit and Credentials of the American Council on Education approved the following procedures and guidelines for the evaluation of military formal courses.

The Evaluation Process

Courses are evaluated by teams of at least three subject-matter specialists (college and university professors, deans, and other academicians). Through discussion and the application of evaluation procedures and guidelines, team members reach a consensus on the amount and category of credit to be recommended.

Evaluation materials include the course syllabus, training materials, tests, textbooks, technical manuals, and examinations. Additional information is obtained from interviews with instructors and program administrators, classroom observations, and examination of instructional equipment and laboratory facilities.

Each team of evaluators has two major tasks for each course: the formulation of a credit recommendation and the preparation of the course's description. The credit recommendation consists of the category of credit, the number of semester hours recommended, and the appropriate subject area. Using the information provided in the military syllabus, evaluators phrase the course description (which appears in the *Guide* exhibits under the headings "Objectives" and "Instruction") in terms meaningful to civilian educators. The course description supplements the credit recommendations by summarizing the nature of a given course.

Throughout the evaluation process, evaluators exercise professional judgment in applying the evaluative criteria and procedures. This position reflects the Commission's belief that sound educational evaluation is more dependent on professional judgment and expertise than on rigid application of criteria.

The Commission on Educational Credit and Credentials continually reviews its criteria and procedures. Evaluators are encouraged to provide feedback and recommendations for consideration by the Commission.

Selection of Evaluators

Nominations for course evaluators are requested from postsecondary institutions, professional and disciplinary societies, education associations, and regional accrediting associations. Graduate-level credit recommendations are generally determined by graduate school deans and professors nominated by the president of the Council of Graduate Schools in the United States.

The criteria for the selection of formal course evaluators are as follows:

1. Area of an evaluator's competence, as evidenced by formal training and experiences, will closely approximate area of student training to be evaluated.
2. Preference will be given to candidates with five or more years of postsecondary teaching or administrative experience, including curriculum development.
3. Preference will be given to candidates who are generally receptive to the recognition of learning that occurs in a variety of settings.

THE RECOMMENDATIONS

In order to interpret exhibits correctly, readers should become thoroughly familiar with the definitions and guidelines utilized by evaluators in formulating the recommendations. The following paragraphs include definitions and guidelines pertaining to categories of educational credit and the semester hour standard.

Categories of Credit

Educational credit is a concept used by postsecondary institutions to quantify and record a student's successful completion of a unit of study. Postsecondary education consists of courses and programs of instruction for persons who are high school graduates or the

BEST COPY AVAILABLE

equivalent, or who are beyond compulsory school age. ACE evaluators utilize the following categories of educational credit when formulating credit recommendations.

Vocational Certificate. This category describes course work of the type normally found in certificate or diploma (nondegree) programs that are usually a year or less in length and designed to provide students with occupational skills. This course work can also be found in curricula leading to associate degrees in applied science. Course content is specialized and the accompanying shop, laboratory, or similar practical components emphasize procedural more than analytical skills.

Lower-Division Baccalaureate/Associate Degree. This category describes course work of the type normally found in the first two years of a baccalaureate program and in programs leading to the Associate in Arts, the Associate in Science, or the Associate in Applied Science degree, the traditional transfer associate degrees. The instruction stresses development of analytical abilities at the introductory level. Verbal, mathematical, and scientific concepts associated with an academic discipline are introduced, as are basic principles. Occupationally oriented courses in this category are normally designed to prepare a student to function as a technician in a particular field.

Upper-Division Baccalaureate. This category describes courses of the type found in the last two years of a baccalaureate program. The courses involve specialization of a theoretical or analytical nature beyond the introductory level. Successful performance by students normally requires prior study in the area.

Graduate Degree. This category describes courses with content of the type found in graduate programs. These courses often require independent study, original research, critical analysis, and the scholarly and professional application of the specialized knowledge or discipline. Students enrolled in such courses normally have completed a baccalaureate program.

Semester Hours

Credit recommendations for courses are not derived by simple arithmetic conversion. Evaluators exercise professional judgment and consider only those portions of a course that can be equated with civilian postsecondary curricula. Intensive courses offered by the military do not necessarily require as much outside preparation as many regular college courses. Evaluators consider the factors of pre- and postcourse assignments, prior work-related experience, the concentrated nature of the learning experience, and the reinforcement of the course material gained in the subsequent work setting.

Credit recommendations are expressed in semester credit hours. In determining semester hour recommendations, evaluators will be guided by, but not restricted to, the following standard definitions:

1. One semester credit hour for the equivalent of 15 hours of classroom contact plus 30 hours of outside preparation; or
2. One semester credit hour for the equivalent of 30 hours of laboratory work plus necessary outside preparation, normally expected to be 15 hours; or
3. One semester credit hour for the equivalent of not less than 45 hours (contact hours) of shop instruction.

Other Recommendations

The Defense Activity for Non-Traditional Education Support (DANTES) maintains the educational records of the service men and women who have completed SST's, CLEP examinations, and GED Tests.

The results of courses and tests that were taken under the auspices of USAFI (United States Armed Forces Institute, disestablished 1974), which carry academic credit and were submitted prior to June 30, 1974, are available at no cost from DANTES Contractor Representative (transcripts), P.O. Box 2879, Princeton, New Jersey 08541.

Results of Subject Standardized Tests and CLEP examinations taken under the auspices of DANTES after July 1, 1974, are available at a nominal charge from DANTES Contractor Representative (CLEP), Educational Testing Service, P.O. Box 2819, Princeton, New Jersey 08541.

Test reports for GED Tests taken after July 1, 1974, can be obtained from DANTES Contractor Representative (GED), GED Testing Service, American Council on Education, One Dupont Circle, Washington, DC 20036-1193.

In addition, credit recommendations for USAFI courses and tests and for DANTES Subject Standardized Tests are available from OECC and are published in the *Handbook to the Guide.*

BEST COPY AVAILABLE

Keyword Index

This index is designed to provide rapid access to the courses described in the course exhibit section. Titles of courses are arranged alphabetically under keywords which have been extracted verbatim from the titles. For example, the keyword *Data Processing* is followed by all titles containing the words *Data Processing.*

To locate a specific course, identify a word or group of words in the title which seems to be unique of descriptive. For example, the title *Data Processing Specialist, COBOL* can be found under the keywords *Data Processing* or *COBOL.* Similarly, the title *Russian Technician* can be found under the keyword *Russian.*

The ID number for each course is displayed to the right of the title. Refer to that number in the course exhibit section for a full description of the course.

A-3A
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets) AF-1715-0482

A-7D
Weapons Control Systems Mechanic (A-7D; AN/APQ-126) AF-1715-0538

A/E24U-8
A/E24U-8 Power Plant Intermediate and Organizational (I & O) Maintenance AF-1704-0143

Academic
Academic Instructor AF-1406-0034

Accident
Traffic Management and Accident Investigation AF-1728-0004

Accountant
Accountant AF-1401-0004 AF-1401-0008

Accounting
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II) AF-1401-0016
Accounting and Finance Automated Materiel System AF-1401-0016
Accounting and Finance Officer AF-1401-0009
Accounting and Finance Specialist AF-1401-0001
Accounting and Finance Supervisor AF-1401-0010
Accounting and Finance Supervisor (Disbursement Accounting) AF-1401-0015
Accounting Specialist AF-1401-0003
Accounting Technician AF-1401-0007
Disbursement Accounting Specialist AF-1401-0006
General Accounting Specialist AF-1401-0005
General Accounting Specialist by Correspondence AF-1408-0053
Machine Accounting Supervisor AF-1402-0036
Phase II General Accounting Applications AF-1402-0004

Administration
Administration Management and Executive Support Officer AF-1408-0067
Administration Management Specialist by Correspondence AF-1403-0002
Administration Management/Executive Support AF-1408-0067
Advanced Contract Administration AF-1408-0039
Basic Course in Medical Administration AF-0799-0005
Basic Course in Medical Service Administration AF-0799-0005
Contract Administration AF-0326-0003 AF-1408-0033
Financial Administration AF-1408-0002
Health Services Administration AF-1401-0017
Health Services Administration—Advanced AF-1408-0068
Industrial Property Administration (JT) AF-0326-0001
Nursing Service Administration AF-0703-0003
Police Administration AF-1728-0016
Security Police Administration AF-1728-0016
Staff Support Administration Specialist by Correspondence AF-1403-0003
Unit Orderly Room Administration Specialist by Correspondence AF-1403-0004

Administrative
Apprentice Medical Administrative Specialist AF-0799-0004
Apprentice Medical Administrative Specialist by Correspondence AF-0709-0028
Medical Administrative Specialist AF-0799-0004
Medical Administrative Specialist by Correspondence AF-0709-0027
Medical Administrative Supervisor AF-1408-0043

Advisor
Human Relations Advisor AF-1513-0001

Aerial
Aerial Photographer AF-1709-0005

Aeromedical
Aeromedical Evacuation Technician AF-0709-0011
Aeromedical Specialist AF-0709-0024
Aeromedical Technician AF-0709-0012
Apprentice Aeromedical Specialist AF-0709-0024

Aerospace
Advanced Aerospace Photo Intelligence AF-1606-0047
Aerospace Ground Equipment Mechanic by Correspondence AF-1704-0187
Aerospace Ground Equipment Repair Technician AF-1717-0012
Aerospace Ground Equipment Technician by Correspondence AF-1704-0192
Aerospace Munitions Officer AF-1715-0545
Aerospace Munitions Staff Officer AF-1717-0024
Aerospace Photographic Systems Repairman AF-1715-0291
Avionics Aerospace Ground Equipment Specialist AF-1715-0537

Afghan-Persian
Dari Afghan-Persian DD-0602-0009 DD-0602-0045

BEST COPY AVAILABLE

Afrikaans
Afrikaans
DD-0602-0005
DD-0602-0008

Air
Air Cargo Specialist by Correspondence
AF-0419-0004
Air Command and Staff Associate Correspondence Program
AF-1511-0003
Air Command and Staff Associate Program
AF-1511-0002
Air Command and Staff College
AF-1511-0001
Air Command and Staff Correspondence Program
AF-1511-0003
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Air Conditioning Engineering
AF-1701-0001
Air Electronic Systems Supervisor/ Technician
AF-1715-0634
Air Electronics Officer
AF-1715-0323
Air Electronics Officer, Fighter A/C
AF-1715-0323
Air Force Base Level Maintenance Management
AF-1717-0025
Air Freight Specialist
AF-0419-0007
Air Intelligence Airman
AF-1606-0059
Air Intelligence Officer
AF-1606-0052
AF-1606-0054
AF-1606-0055
Air Launch Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launched Missile Safety Officer
AF-0802-0009
Air Launched Missile Safety Technician
AF-0802-0011
Air National Guard Recruiter
AF-1406-0038
Air Passenger and Operations Specialist
AF-0419-0002
Air Passenger Specialist
AF-0419-0002
Air Passenger Specialist (Reserve)
AF-0419-0022
Air Passenger Specialistby Correspondence
AF-0419-0021
Air Police (Basic)
AF-1728-0019
Air Police Noncommissioned Officer (NCO)
AF-1728-0001
Air Police Officer
AF-1728-0018
Air Police Supervisor
AF-1728-0001
Air Policeman
AF-1728-0019
Air Policeman (Basic Air Police)
AF-1728-0019
Air Transportation Officer
AF-0419-0010
Air War College
AF-1511-0006
Air War College Associate Correspondence Program
AF-1511-0005
Air War College Correspondence Program
AF-1511-0005
Air War College Nonresident Seminar Program
AF-1511-0004
Associate Air War College Nonresident Seminar Program
AF-1511-0004

Air Traffic Control
Advanced Air Traffic Control Officer
AF-1704-0010
Air Traffic Control Officer
AF-1704-0002
Air Traffic Control Radar Maintenance Technician
AF-1715-0397
Air Traffic Control Radar Repairman
AF-1715-0488
Air Traffic Control Radar Repairman (AN/MPN-1)
AF-1715-0488
Air Traffic Control Radar Repairman AN/CPN-4
AF-1715-0422
Air Traffic Control Radar Technician
AF-1715-0397

Airborne
Airborne Command Post Communications Equipment (CE) Repairman
AF-1715-0709
Airborne Early Warning Radar Repairman (AN/APS-20E)
AF-1715-0025
Airborne Early Warning Radar Repairman (AN/APS-45)
AF-1715-0029
Airborne Early Warning Radar Specialist Principles
AF-1715-0533
Airborne Electronic Countermeasures Specialist
AF-1715-0382
Airborne ECM Operator
AF-1715-0382
Airborne Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman
AF-1715-0453
Airborne Radio Maintenance Technician
AF-1715-0067
Airborne Radio Repairman
AF-1715-0341

Aircraft
Aircraft and Missile Electrical Repair Technician
AF-1704-0165
Aircraft and Missile Ground Support Equipment Repair
AF-1717-0012
Aircraft Early Warning Radar Maintenance Technician
AF-1715-0282
Aircraft Early Warning Radar Repairman
AF-1715-0427
Aircraft Electrical Repair Technician
AF-1704-0165
Aircraft Electrical Systems Specialist by Correspondence
AF-1714-0003
Aircraft Electronic Navigation Equipment Maintenance Technician
AF-1715-0510
Aircraft Electronic Navigation Equipment Technician
AF-1715-0510
Aircraft ECM Maintenance Technician
AF-1715-0324
Aircraft Inertial and Radar Navigation Systems Repairman
AF-1715-0027
Aircraft Maintenance Specialist, Tactical Aircraft by Correspondence
AF-1704-0102
Aircraft Observer Technical Upgrading
AF-1606-0031
Aircraft Observer Training--Pilot
AF-1606-0030
Aircraft Radio Maintenance Technician
AF-1715-0067
Aircraft Radio Repairman
AF-1715-0065
AF-1715-0069
Aircraft Radio Repairman (Command)
AF-1715-0066
Aircraft Radio Repairman (Communications)
AF-1715-0065
Aircraft Radio Repairman (General)
AF-1715-0065
Aircraft Radio Repairman (Navigational)
AF-1715-0069
Aircraft Sensor Systems Repairman (Electronic Sensors)
AF-1715-0479
Aircraft/Avionics Maintenance Staff Officer
AF-1408-0049
F-111A Weapons System Training (Aircraft Commander)
AF-1606-0132
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Non-Destructive Testing of Aircraft and Related Equipment Components
AF-1724-0002
Pilotless Aircraft Guidance and Control Officer
AF-1715-0648
Strategic Aircraft Maintenance Specialist by Correspondence
AF-1704-0188

Aircraft Control
Aircraft Control and Warning Radar Maintenance Technician
AF-1715-0064
Aircraft Control and Warning Radar Repairman
AF-1715-0687
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)
AF-1715-0104
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF)
AF-1715-0023

BEST COPY AVAILABLE

Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)
AF-1715-0060
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6)
AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)
AF-1715-0105
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF)
AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D)
AF-1715-0118
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FST-2
AF-1715-0111
Aircraft Control and Warning Radar Technician
AF-1715-0064

Aircraft Maintenance
Aircraft Maintenance Indoctrination (SAC)
AF-1704-0083
Aircraft Maintenance Management Officer
AF-1717-0002
Aircraft Maintenance Officer
AF-1717-0002
AF-1717-0003
Aircraft Maintenance Officer Accelerated
AF-1717-0014
Aircraft Maintenance Specialist and Bombardment Aircraft by Correspondence
AF-1704-0184
Aircraft Maintenance Specialist, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0181
Aircraft Maintenance Specialist, Tactical Aircraft by Correspoadence
AF-1704-0102
Aircraft Maintenance Staff Officer
AF 1717-0002
Aircraft Maintenance Technician
AF-1704-0013
Aircraft Maintenance Technician, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0190
Aircraft Maintenance Technician, Jet Engine Aircraft
AF-1717-0006
Aircraft Maintenance Technician, Jet Engine Type Aircraft
AF-1717-0006
Aircraft Maintenance Technician, Reciprocating Engine Aircraft
AF-1704-0088
Aircraft Maintenance Technician, Tactical Aircraft by Correspondence
AF-1704-0162
Aircraft Maintenance/Avionics Officer Accelerated
AF-1717-0004
Airlift Aircraft Maintenance Specialist by Correspondence
AF-1704-0184
Strategic Aircraft Maintenance Specialist by Correspondence
AF-1704-0181

Aircrew
HC-130 Aircrew Instructor Training
AF-1606-0149

Airframe
Airframe Repair Specialist by Correspondence
AF-1704-0054

Airlift
Aircraft Maintenance Specialist, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0181
Aircraft Maintenance Technician, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0190
Airlift Aircraft Maintenance Specialist by Correspondence
AF-1704-0184

Albanian
Albanian
DD-0602-0001
DD-0602-0002
DD-0602-0018
DD-0602-0033

Amharic
Amharic
DD-0602-0009
DD-0602-0045

Ammunition
Ammunition Officer
AF-1405-0047
Ammunition Officer (Munitions)
AF-1405-0047

Analog
Electronic Analog Data Processing Equipment Repairman
AF-1715-0061

Analysis
Advanced Cost and Economic Analysis
AF-1408-0016
Advanced Data Automation Analysis and Design
AF-1402-0053
Advanced Data Processing Audit Analysis
AF-1402-0041
Advanced ELINT Collection/Analysis
DD-1715-0017
Advanced Quantitative Methods in Cost Analysis
AF-1115-0004
Aircraft and Missile Maintenance Analysis Specialist
AF-1115-0001
Basic Quantitative Methods in Cost Analysis
AF-1115-0005
Computer Systems Analysis and Design (Enlisted)
AF-1402-0040
Data Systems Analysis and Design (Enlisted)
AF-1402-0040
Data Systems Analysis and Design (Officer)
AF-1402-0039
Ground C-E-M Maintenance Analysis Technician
AF-1113-0001
Intermediate ELINT Collection and Analysis
DD-1715-0016
Maintenance Analysis Specialist
AF-1115-0001
Maintenance Analysis Technician
AF-0306-0001
Management Analysis Officer
AF-1408-0063
Management Analysis Specialist
AF-1408-0009
Management Analysis Technician
AF-1408-0009
Quantitative Methods in Cost Analysis
AF-1115-0004
Real Estate and Cost Management Analysis Specialist
AF-0331-0001
Real Estate—Cost-Management Analysis Specialist
AF-0331-0001
Terrain Analysis
DD-1601-0004
DD-1601-0018

Analyst
Computer Systems Analyst
AF-1402-0003
Guidance Systems Analyst (TM-76A)
AF-1714-0005
GAM Analyst Mechanic, GAM-77
AF-1715-0454
Missile Systems Analyst Specialist (LGM-25)
AF-1715-0376
Missile Systems Analyst Specialist (TM-76B)
AF-1715-0668
Missile Systems Analyst Specialist, WS-133A-M
AF-1715-0452
Space Systems Analyst
AF-1303-0001

Analytical
Analytical Photogrammetric Positioning System
DD-1601-0015

Anesthetist
Nurse Anesthetist
AF-0703-0013

Animal
Animal Specialist
AF-0102-0001
Animal Technician
AF-0102-0002
Laboratory Animal Technician
AF-0102-0002

Antenna
Cable and Antenna Installation Specialist
AF-1714-0015
Outside Wire and Antenna Maintenance Repairman
AF-1714-0015
Outside Wire and Antenna Systems Installation and Maintenance Specialist
AF-1714-0015

BEST COPY AVAILABLE

Appliance
Orthopaedic Appliance Specialist
AF-0709-0021

Arabic
Arabic
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0015
DD-0602-0033
DD-0602-0034
DD-0602-0039
DD-0602-0045
Arabic (Egyptian, Syrian, Iraqi)
DD-0602-0026
Arabic—Eastern
DD-0602-0046
Arabic—Western
DD-0602-0009
DD-0602-0045

Arabic—Egyptian/Syrian
Arabic—Egyptian/Syrian
DD-0602-0023

Area
Intelligence Area Studies (SEA)
AF-1601-0042

Armament
Armament Systems Officer (Fighter)
AF-1715-0497
Armament Systems Officer, Bomber
AF-1715-0536

Armed
Armed Forces Staff College
DD-0326-0001

Arms
Small Arms Specialist
AF-2203-0001

Assistance
Defense Security Assistance Management Overseas
DD-0327-0001

Atmospheric
Airborne Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman
AF-1715-0453

Atomic
Atomic Energy, Phase I
AF-1715-0169
Atomic Energy, Phase I (Electrical)
AF-1715-0169
Atomic Weapons Officer
AF-1715-0545
Officers Phase I, Atomic Energy
AF-1715-0290

Audit
Advanced Data Processing Audit Analysis
AF-1402-0041

Auditing
Auditing Data Processing Systems
AF-1402-0042

Auditor
Auditor
AF-1401-0013

Automated
Automated Systems Analyst (Management Support Systems)
AF-1402-0064
AF-1402-0066
Automated Systems Program Designer
AF-1402-0010
AF-1402-0044
Automated Systems Program Designer (Management Support Systems)
AF-1402-0010
Automated Systems Programming Technician (Management Support Systems)
AF-1402-0002

Automatic
Automatic Digital Switching Technician
AF-1402-0020
Automatic Flight Control Systems Technician
AF-1715-0378
Automatic Flight Control Systems Technician (Fighters and B-58)
AF-1715-0378
Automatic Teletype and Electronic Switching Systems Repairman
AF-1715-0102
Automatic Tracking Radar Repairman
AF-1715-0368
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
General Purpose Automatic Transmission Maintenance
AF-1703-0012

Automation
Advanced Data Automation Analysis and Design
AF-1402-0053
Data Automation Officer
AF-1402-0046

Automotive
Automotive AC Electrical Systems
AF-1703-0008
Automotive Shop Management
AF-1405-0049

Avionic
Avionic Communications Specialist
AF-1715-0492
Avionic Communications Specialist by Correspondence
AF-1715-0467
Avionic Inertial and Radar Navigation Systems Specialist
AF-1715-0027
Avionic Inertial and Radar Navigation Systems Specialist by Correspondence
AF-1715-0442
Avionic Sensor Systems Specialist (Electro-Optical Sensors)
AF-1715-0478
Avionic Sensor Systems Specialist (Electronic Sensors)
AF-1715-0475

Avionics
Aircraft Maintenance/Avionics Officer Accelerated
AF-1717-0004
Aircraft/Avionics Maintenance Staff Officer
AF-1408-0049
Avionics Aerospace Ground Equipment Specialist
AF-1715-0537
Avionics Officer
AF-1715-0359
Avionics Officer (Bomber)
AF-1715-0536
Avionics Officer (Fighter)
AF-1715-0497
Avionics Officer (Other)
AF-1715-0323
Avionics Staff Officer
AF-1408-0049
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids)
AF-1715-0609
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Displays)
AF-1715-0210
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476

AC-130E
Special Operations Training, AC-130E Pilots
AF-1606-0020

AGM
Air Launch Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
AGM Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Missile Electronic Equipment Specialist (AGM-28A/B)
AF-1715-0458
Missile Guidance and Control Specialist (AGM-28)
AF-1715-0649
Missile Guidance and Control Specialist (AGM-28A/B)
AF-1715-0649
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Mechanic (AGM-28A/B)
AF-1715-0693
Missile Systems Maintenance Specialist (AGM-28)
AF-1715-0649

AIM
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Specialist

BEST COPY AVAILABLE

(AIM)
AF-1715-0671
Missile Guidance and Control Specialist (AIM) (ADC)
AF-1715-0671

AMA
AMA/Directorate of Materiel Management
AF-1405-0027

AMCS
Weapons Control Systems Mechanic (AMCS-AERO-1A)
AF-1715-0535
Weapons Control Systems Mechanic (F4, AMCS)
AF-1715-0535

AMCS-AERO-1A
Weapons Control Systems Mechanic (AMCS-AERO-1A)
AF-1715-0535

AN/APQ-T3
Navigation and Bombing Trainer Specialist (AN/APQ-T3)
AF-1715-0274

AN/APQ-126
Weapons Control Systems Mechanic (A-7D; AN/APQ-126)
AF-1715-0538

AN/APQ-24A
AN/APQ-24A System Mechanic
AF-1715-0428
Special Training on Radar Bombing Navigation System, AN/APQ-24A
AF-1715-0617

AN/APS-20E
Airborne Early Warning Radar Repairman (AN/APS-20E)
AF-1715-0025

AN/APS-45
Airborne Early Warning Radar Repairman (AN/APS-45)
AF-1715-0029

AN/ASG-21
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)
AF-1715-0540

AN/CPN-4
Air Traffic Control Radar Repairman AN/CPN-4
AF-1715-0422

AN/CPS-1
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)
AF-1715-0104

AN/CPS-4
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)
AF-1715-0104

AN/CPS-5
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)
AF-1715-0104

AN/CPS-6B
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF)
AF-1715-0023

AN/FPS-18
Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)
AF-1715-0060

AN/FPS-20
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6)
AF-1715-0115

AN/FPS-3
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)
AF-1715-0103

AN/FPS-4
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)
AF-1715-0105
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF
AF-1715-0020

AN/FPS-6
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6)
AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)
AF-1715-0103

AN/FPS-8
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)
AF-1715-0105
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF
AF-1715-0020

AN/FRC-39
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A)
AF-1715-0079

AN/FRC-39A
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A)
AF-1715-0079

AN/FSA-21/412L
Electronic Computer Repairman (AN/FSA-21/412L)
AF-1715-0016
Electronic Digital Computer Repairman (AN/FSA-21/412L)
AF-1715-0016

AN/FSQ-7
Electric Digital Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348

AN/FST-2
Aircraft Control and Warning Radar Repairman, AN/FST-2
AF-1715-0111

AN/FST-2B
Electronic Digital Data Processing Repairman (AN/FST-2B)
AF-1715-0018

AN/FYA-38
AN/FYQ-45 and AN/FYA-38 Maintenance
AF-1715-0062

AN/FYQ-45
AN/FYQ-45 and AN/FYA-38 Maintenance
AF-1715-0062

AN/GPQ-T6
Defensive Systems Trainer Specialist, AN/GPQ-T6
AF-1715-0138

AN/GSA-51A
Electronic Computer Repairman BUIC AN/GSA-51A
AF-1715-0677
Electronic Computer Systems Repairman (BUIC AN/GSA-51A)
AF-1715-0447

AN/GYK-19
Electronic Computer Systems Repairman (BUIC AN/GYK-19)
AF-1715-0447

AN/MPN-1
Air Traffic Control Radar Repairman (AN/MPN-1)
AF-1715-0488

AN/MRC-107A
AN/MRC-107A, I/O Maintenance
AF-1715-0072

AN/TPS-1D
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF)
AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D)
AF-1715-0118

APA-165
Weapons Control Systems Mechanic (F-4C/D: APQ-109/APA-165)
AF-1715-0535

APQ-109
Weapons Control Systems Mechanic (F-4C/D: APQ-109/APA-165)
AF-1715-0535

APQ-120
Weapons Control Systems Mechanic (F-4E:APQ-120)
AF-1715-0610

ARRS
Pilot Advanced Flying (HH-43) ARRS
AF-1606-0128

BEST COPY AVAILABLE

ASB-15
Bomb Navigation System Mechanic (ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System)
AF-1715-0485
Bomb Navigation Systems Mechanic (B-52C/D: ASB-15 System
AF-1715-0485

ASB-4
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483

ASB-4A
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483

ASG-15
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482

ASG-21
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)
AF-1715-0540

ASQ-25
Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
AF-1715-0375
Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems)
AF-1715-0375

ASQ-38
Navigator Bombardier AN/ASQ-38(V)
AF-1606-0080
Navigator Bombardier Training (ASQ-38)
AF-1606-0080

ATC
ATC Instructor Training
AF-1406-0039
AF 1406-0041
ATC Instructor Training (Navigator)
AF-1406-0039

B 263
B 263 Computer Programming and Operation
AF-1402-0015

B-3500
Medical Materiel Supervisor (B-3500)
AF-1405-0045

B-36
Gunlaying System Mechanic, B-36
AF-1715-0041

B-47
Gunlaying System Mechanic, B-47
AF-1715-0040

B-52C/D
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System)
AF-1715-0485
Bomb Navigation Systems Mechanic (B-52C/D: ASB-15 System
AF-1715-0485

B-52E
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483

B-52H
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540

B-58
Automatic Flight Control Systems Technician (Fighters and B-58)
AF-1715-0378

Baker
Baker
AF-1729-0008

Baking
Baking
AF-1729-0008

Ballistic
Ballistic Missile Analyst Specialist, SM-80
AF-1715-0344
Ballistic Missile Analyst Specialist, WS-133A
AF-1715-0344
Ballistic Missile Analyst Speicialist, WS-133A
AF-1715-0345
Ballistic Missile Check-Out Equipment Specialist, SM-80
AF-1715-0299
Ballistic Missile Check-Out Equipment Specialist, WS-133A
AF-1715-0299
Ballistic Missile Checkout Equipment Specialist, WS-133B
AF-1715-0108
Ballistic Missile Safety
AF-0802-0008
Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327
Guided Missile Operations/Maintenance Officer (Ballistic Missiles)
AF-1715-0663
Missile Launch/Missile Officer (Ballistic Missiles)
AF-1715-0663

Base
Advanced Base Procurement Management
AF-1405-0029
Air Force Base Level Maintenance Management
AF-1717-0025
Base Civil Engineer
AF-1601-0044
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Base Level Military Personnel System (BLMPS), Phase II
AF-1402-0060
Base Procurement Officer
AF-1405-0014
AF-1405-0038

Basic
Basic Vietnamese-Saigon Dialect
DD-0602-0040
Defense Language Institute Basic
DD-0602-0012
DD-0602-0013
DD-0602-0014
DD-0602-0018
DD-0602-0019
DD-0602-0021
DD-0602-0026
DD-0602-0029
DD-0602-0030
DD-0602-0032
Defense Language Institute Basic (After 1956)
DD-0602-0002
Defense Language Institute Basic (1954–1956)
DD-0602-0001
Defense Language Institute Basic Language
DD-0602-0031
Short Basic Vietnamese-Saigon Dialect
DD-0602-0040

Beacons
Flight Facilities Equipment Repairman (Ranges and Beacons)
AF-1715-0253

Bengali
Bengali
DD-0602-0009
DD-0602-0045

Bio-Environmental
Bio-Environmental Engineering
AF-0707-0003

Biomedical
Biomedical Equipment Maintenance Specialist
AF-1715-0001

Bomb
Bomb Navigation System Mechanic (ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation System Mechanic

BEST COPY AVAILABLE

(MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems Mechanic (ASB-4 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (B-52C/D: ASB-15 System
AF-1715-0485
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (FB-111)
AF-1715-0006
Bomb Navigation Systems Mechanic (K-5 Series)
AF-1715-0268
Bomb Navigation Systems Mechanic (MA-2 System)
AF-1715-0483
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Technician (K-Series Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
AF-1715-0212
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Displays)
AF-1715-0210
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210

Bombardier
Navigator Bombardier AN/ASQ-38(V)
AF-1606-0080
Navigator Bombardier System Training (FB-111)
AF-1606-0146
Navigator Bombardier Training
AF-1606-0106
Navigator Bombardier Training (ASQ-38)
AF-1606-0080
Navigator Bombardier Training (MA-6A/7A)
AF-1606-0106
Navigator Bombardier Upgrade Training (FB-111)
AF-1606-0084

Bombardment
Advanced Navigator Radar Bombardment Training
AF-1606-0106
Advanced Navigator Reconnaissance Bombardment
AF-1606-0106
Advanced Observer Reconnaissance Bombardment
AF-1606-0106
Aircraft Maintenance Specialist, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0181
Aircraft Maintenance Technician, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0190

Bomber
Armament Systems Officer, Bomber
AF-1715-0536
Avionics Officer (Bomber)
AF-1715-0536

Bombing
Navigation and Bombing Trainer Specialist (AN/APQ-T3)
AF-1715-0274
Navigation/Bombing Trainer and Flight Simulator Tactics Specialist
AF-1715-0455
Navigation/Bombing/Tactics Trainer Specialist
AF-1715-0455
Special Training on Radar Bombing Navigation System, AN/APQ-24A
AF-1715-0617

Broadcast
Basic Broadcaster
DD-0505-0001
Broadcast Manager
DD-0505-0002
Broadcast Officer
DD-0505-0002
Broadcast Specialist
DD-0505-0001
Information Specialist (Broadcaster)
DD-0505-0001

Broadcaster
Basic Broadcaster
DD-0505-0001
Information Specialist (Broadcaster)
DD-0505-0001

Budget
Budget Officer
AF-1408-0061
Budget Specialist
AF-1408-0017

Building
Building Systems Engineering
AF-1601-0025

Bulgarian
Bulgarian
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0019
DD-0602-0022
DD-0602-0033
DD-0602-0036
DD-0602-0044

Burmese
Burmese
DD-0602-0009
DD-0602-0014
DD-0602-0044

Buying
Advanced Systems Buying
AF-1408-0025

BLMPS
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Base Level Military Personnel System (BLMPS), Phase II
AF-1402-0060
BLMPS/PDS Work Center Operations, Phase II
AF-1402-0060

BUIC
BUIC Computer Programming
AF-1402-0061
BUIC III Computer Programmer
AF-1402-0052
BUIC Systems Computer Programmer
AF-1402-0051
Electronic Computer Repairman BUIC AN/GSA-51A
AF-1715-0677
Electronic Computer Systems Repairman (BUIC AN/GSA-51A)
AF-1715-0447
Electronic Computer Systems Repairman (BUIC AN/GYK-19)
AF-1715-0447

C-E-M
Ground C-E-M Maintenance Analysis Technician
AF-1113-0001

C-11
Electronic Instrument Trainer Specialist (C-11 Type)
AF-1715-0653
Instrument Trainer Specialist (C-11)
AF-1715-0653

C-141
C-141 Flight Engineer Technician
AF-1704-0031

C-5
C-5 Flight Engineer Technician
AF-1704-0033
C-5 Pilot
AF-1606-0023
Flight Engineer School, C-5
AF-1704-0033

Cable
Cable and Antenna Installation Specialist
AF-1714-0015

Cadet
Primary-Basic Observer Cadet
AF-1606-0034

BEST COPY AVAILABLE

Calibration
Advanced Microwave Measurement and Calibration
AF-1715-0181
Advanced Microwave Measurements and Calibration
AF-1715-0549

Cambodian
Cambodian
DD-0602-0009
DD-0602-0044

Camera
Still Photographic Camera Specialist
AF-1709-0020

Card
Data Processing Machine Supervisor (Punched Card)
AF-1402-0036

Cargo
Air Cargo Specialist by Correspondence
AF-0419-0004

Cartographic
Advanced Photogrammetric Cartographic
AF-1709-0013
Advanced Photogrammetric Cartographic Techniques
DD-1601-0005
Basic Photogrammetric Cartographic Techniques
DD-1601-0001
Cartographic Drafting
DD-1713-0002
Cartographic Officer
AF-1601-0024
Cartographic Supervisor
DD-1601-0016
Photogrammetric-Cartographic Technician
AF-1709-0013

Cartography
Basic Cartography
DD-1601-0011

Central
Central Procurement Officer
AF-1405-0015
AF-1405-0032

Channel
CV-3511 Isochronous Channel Converter
DD-17 5-0003
CV-3511(P)/G Isochronous Channel Coverter Maintenance and Repair
DD-1715-0003

Charting
Mapping, Charting, and Geodesy Officer
DD-1601-0007
Mapping, Charting, and Geodesy Senior Officer
DD-1601-0017

Checkout
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Ballistic Missile Checkout Equipment Specialist, WS-133B
AF-1715-0108
GAM Checkout Equipment Repairman (GAM-77)
AF-1715-0458
Tactical Missile Checkout Equipment Repairman (CGM-13B TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS)
AF-1715-0646

Chief
Chief of Supply Management
AF-1405-0040

Chinese
Basic Chinese—Refresher
DD-0602-0041
Chinese
DD-0602-0015
DD-0602-0022
DD-0602-0027
Chinese—Cantonese
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0045
Chinese—Fukienese
DD-0602-0002
Chinese—Mandarin
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0045
Chinese—Standard
DD-0602-0046
Chinese—Toishan
DD-0602-0002

Chinese—Cantonese
Chinese—Cantonese
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0021
DD-0602-0045

Chinese—Fukienese
Chinese—Fukienese
DD-0602-0002

Chinese—Mandarin
Chinese—Mandarin
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0021
DD-0602-0033
DD-0602-0035
DD-0602-0036
DD-0602-0037
DD-0602-0039
DD-0602-0045

Chinese—Refresher
Basic Chinese—Refresher
DD-0602-0041

Chinese—Toishan
Chinese—Toishan
DD-0602-0002

Ciphony
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
AF-1715-0174

Civil
Base Civil Engineer
AF-1601-0044

Clerk
Disbursing Clerk
AF-1408-0019

Clinical
Clinical Laboratory Officer
AF-0702-0003

Collection
Advanced ELINT Collection/Analysis
DD-1715-0017
Intermediate ELINT Collection and Analysis
DD-1715-0016

Combat
Combat Still Photographer, Operator
AF-1709-0002
Telephone Switching Equipment Specialist (Combat Operations Support)
AF-1715-0713
USAF Combat Survival Training
AF-0803-0003

Command
Air Command and Staff Associate Correspondence Program
AF-1511-0003
Air Command and Staff Associate Program
AF-1511-0002
Air Command and Staff College
AF-1511-0001
Air Command and Staff Correspondence Program
AF-1511-0003
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
Airborne Command Post Communications Equipment (CE) Repairman
AF-1715-0709
Command and Control
DD-1402-0001
Command and Control Systems Computer Programmer
AF-1402-0058
Command and Staff College
AF-1511-0001
Command and Staff Course
AF-1511-0001
Command and Staff School
AF-1511-0001
Major Command (MAJCOM) Manpower Procedures
AF-1406-0032

Commissary
Commissary Noncommissioned Officer (NCO)
AF-0406-0001
Commissary NCOIC
AF-0406-0001
Commissary Operations
AF-0406-0001

Communication
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids)
AF-1715-0609

Communications
Airborne Command Post Communications Equipment (CE)

BEST COPY AVAILABLE

Repairman
AF-1715-0709
Aircraft Radio Repairman (Communications)
AF 1715-0065
Avionic Communications Specialist
AF-1715-0492
Avionic Communications Specialist by Correspondence
AF-1715-0467
Communications and Relay Center Equipment Repairman, Electromechanical
AF-1715-0132
Communications Maintenance Officer
AF-1715-0474
Communications Officer
AF-1715-0474
Communications-Electronics Engineer
AF-1715-0260
Communications-Electronics Officer
AF-1408-0048
Communications-Electronics Staff Officer
AF-1408-0048
Communications-Electronics Systems Staff Officer
AF-1715-0550
Communications/Navigations Technician by Correspondence
AF-1715-0116
Electronic Communications and Cryptographic Equipment Systems Repairman
AF-1715-0174
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
AF-1715-0174
Ground Communications Equipment Maintenance Technicial (Light)
AF-1715-0230
Ground Communications Equipment Maintenance Technician (Heavy)
AF-1715-0239
Ground Communications Equipment Maintenance Technician (Light)
AF-1715-0230
Ground Communications Equipment Repairman (Heavy) Receivers
AF-1715-0499
Ground Communications Equipment Repairman (Heavy) Transmitters
AF-1715-0530
Ground Communications Equipment Repairman (Light)
AF-1715-0696
Ground Communications Equipment Repairman (VHF-UHF)
AF-1715-0498
Ground Communications Equipment Repairman(Heavy)(FPTS)
AF-1715-0079
Ground Communications Equipment Technician (Light)
AF-1715-0230
Ground Communications Equipment Technician (Light)(TDDL Equipment)
AF-1715-0561
Ground Communications Equipment Technician (TDDL)
AF-1715-0561
Ground Radio Communications Equipment Repairman
AF-1715-0534
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491
Ground Radio Communications Equipment Repairman (WS-133A/B)
AF-1715-0495
Ground Radio Communications Equipment Technician
AF-1715-0088
Ground Radio Communications Specialist by Correspondence
AF-1715-0227
Ground Radio Communications Technician by Correspondence
AF-1715-0465
Missile Control Communications Systems Repairman
AF-1715-0713
National Communications Security (COMSEC)
DD-1404-0004
Space Communications Systems Equipment Operator/Specialist
AF-1715-0480
Specialized Communications and Electronics (C & E) Training
AF-1715-0198
Store and Forward Communications System Computer Programmer
AF-1402-0018
AF-1402-0057
Wideband Communications Equipment Specialist by Correspondence
AF-1715-0208

Compilation
Map Compilation
DD-1713-0001
Photogrammetric Compilation
DD-1601-0009

Compression
Compression Chamber Team Training
AF-0799-0007

Comptroller
Professional Military Comptroller
AF-1408-0004

Computer
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II)
AF-1401-0016
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
B 263 Computer Programming and Operation
AF-1402-0015
Bomb Navigation Systems Technician (K-Series Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
BUIC Computer Programming
AF-1402-0061
BUIC III Computer Programmer
AF-1402-0052
BUIC Systems Computer Programmer
AF-1402-0051
Command and Control Systems Computer Programmer
AF-1402-0058
Computer Maintenance Officer
AF-1402-0031
AF-1715-0722
Computer Operation
AF-1402-0015
Computer Operations Supervisor by Correspondence
AF-1402-0068
Computer Operator
AF-1402-0019
Computer Operator by Correspondence
AF-1402-0017
Computer Orientation for Intermediate Executives
DD-1402-0003
Computer Principles
AF-1402-0014
Computer Programming
AF-1402-0008
Computer Systems Analysis and Design (Enlisted)
AF-1402-0040
Computer Systems Analyst
AF-1402-0003
Computer Systems Operations Officer
AF-1402-0046
Computer Systems Programming Officer
AF-1402-0035
AF-1402-0048
Computer Systems Programming Officer, SAGE
AF-1402-0032
Digital Computer Principles
AF-1402-0062
Electric Digital Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Computer Maintenance Officer
AF-1715-0722
Electronic Computer Principles, FYQ-47 Preparatory (Radar Principles)
AF-1715-0030
Electronic Computer Repairman (AN/FSA-21/412L)
AF-1715-0016
Electronic Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Computer Repairman (DPC/465L)
AF-1715-0057
Electronic Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Computer Repairman BUIC AN/GSA-51A
AF-1715-0677
Electronic Computer Systems Repairman (BUIC AN/GSA-51A)
AF-1715-0447
Electronic Computer Systems Repairman (BUIC AN/GYK-19)
AF-1715-0447

BEST COPY AVAILABLE

Electronic Computer Systems Repairman (Display Equipment/412L)
AF-1715-0448
Electronic Computer Systems Repairman (EDTCC/SACCS)
AF-1715-0598
Electronic Computer Systems Repairman (FSQ-7/SAGE)
AF-1715-0058
Electronic Computer Systems Repairman (RCC-EDLCC/465L)
AF-1715-0443
Electronic Computer Systems Specialist by Correspondence
AF-1715-0440
Electronic Computer Systems Supervisor/Technician
AF-1402-0050
Electronic Digital Computer Repairman (AN/FSA-21/412L)
AF-1715-0016
Electronic Digital Computer Repairman (Display Equip/465L)
AF-1402-0023
Electronic Digital Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348
F-111 Computer/Programmer Test Stations Technician
AF-1715-0203
F-111A Computer/Navigation Test Station Technician
AF-1402-0024
Guidance Control Officer (Computer)(SM-68)
AF-1715-0037
Honeywell H316R Computer Maintenance
DD-1715-0005
HM4118 Computer Programmer Tactical and Control System
AF-1402-0033
HM4118 Electronic Computer Repairman/Operator/407L
AF-1715-0392
Introduction to Computer Technology
DD-1402-0002
K-Series Computer Technician
AF-1715-0225
NCMC Computer Programmer
AF-1402-0009
Store and Forward Communications System Computer Programmer
AF-1402-0018
AF-1402-0057
Supply Computer System Specialist
AF-1402-0005
SAGE Computer Programmer
AF-1402-0030
Weapon Support Systems Computer Programmer
AF-1402-0058
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272

Computing
Geodetic Computing
DD-1601-0006

Conditioning
Air Conditioning Engineering
AF-1701-0001

Consolidated
Consolidated Maintenance Management (ADC)
AF-1717-0011

Construction
Construction Drafting
DD-1713-0004
Construction Surveying
DD-1601-0008

Contract
Advanced Contract Administration
AF-1408-0039
Contract Administration
AF-0326-0003
AF-1408-0033
Contract Law
AF-1408-0042
Contract Management
AF-1408-0037
Contract Management Officer
AF-1408-0051
AF-1408-0052
Defense Contract Pricing Techniques
AF-1408-0003
Program Management for Contract Administration
DD-1408-0004

Contracting
Purchasing and Contracting Officer
AF-1405-0048

Control
Advanced Air Traffic Control Officer
AF-1704-0010
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
Air Traffic Control Officer
AF-1704-0002
Air Traffic Control Radar Maintenance Technician
AF-1715-0397
Air Traffic Control Radar Repairman
AF-1715-0488
Air Traffic Control Radar Repairman (AN/MPN-1)
AF-1715-0488
Air Traffic Control Radar Repairman AN/CPN-4
AF-1715-0422
Air Traffic Control Radar Technician
AF-1715-0397
Aircraft Control and Warning Radar Maintenance Technician
AF-1715-0064
Aircraft Control and Warning Radar Repairman
AF-1715-0687
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)
AF-1715-0104
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)
AF-1715-0060
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6)
AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)
AF-1715-0105
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D and IFF)
AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D)
AF-1715-0118
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FST-2
AF-1715-0111
Aircraft Control and Warning Radar Technician
AF-1715-0064
Automatic Flight Control System Specialist
AF-1715-0460
Command and Control
DD-1402-0001
Command and Control Systems Computer Programmer
AF-1402-0058
Control Systems Mechanic (SM-65, 68)
AF-1715-0506
Control Systems Mechanic (TM-61C)
AF-1715-0292
Control Systems Mechanic (TM-76A/B)
AF-1715-0162
Control Systems Mechanic, GAM-72
AF-1715-0318
Disaster Control Instructor
AF-0802-0001
Disaster Control Specialist
AF-0802-0001
AF-0802-0002
Guidance and Control Officer (RIGS) (AGM-25A)
AF-1715-0672
Guidance and Control Officer (RIGS) (SM-68A)
AF-1715-0672
Guidance Control Officer (Computer)(SM-68)
AF-1715-0037
Guidance Control Officer (RIGS) (SM-68)
AF-1715-0672
HM4118 Computer Programmer Tactical and Control System
AF-1402-0033
Missile Control Communications Systems Repairman
AF-1715-0713

BEST COPY AVAILABLE

Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Specialist (AIM)
AF-1715-0671
Missile Guidance and Control Specialist (AIM) (ADC)
AF-1715-0671
Missile Guidance and Control Specialist (LGM-25)
AF-1715-0137
Pilotless Aircraft Guidance and Control Officer
AF-1715-0648
Production Control
AF-1601-0001
Tactical Missile Control Mechanic (TM-76A/B)
AF-1715-0162
Work Control Specialist
AF-1408-0035

Controls
Controls System Analyst (TM-76A)
AF-1715-0180
Controls Systems Mechanic
AF-1715-0293

Conventional
Liquid Fuel Systems Maintenance Specialist (Conventional Fuel)
AF-1601-0006

Converter
CV-3011 Isochronous Channel Converter
DD-1715-0003

Cook
Cook
AF-1729-0002
Cooking
AF-1729-0002

Cooking
Cooking
AF-1729-0002

Cooling
Equipment Cooling Specialist
AF-1730-0002

Correspondence
Administration Management Specialist by Correspondence
AF-1403-0002
Aerospace Ground Equipment Mechanic by Correspondence
AF-1704-0187
Aerospace Ground Equipment Technician by Correspondence
AF-1704-0192
Air Cargo Specialist by Correspondence
AF-0419-0004
Air Command and Staff Associate Correspondence Program
AF-1511-0003
Air Command and Staff Correspondence Program
AF-1511-0003
Air Passenger Specialistby Correspondence
AF-0419-0021
Air War College Associate Correspondence Program
AF-1511-0005
Air War College Correspondence Program
AF-1511-0005
Aircraft Electrical Systems Specialist by Correspondence
AF-1714-0003
Aircraft Fuel Systems Mechanic by Correspondence
AF-1704-0191
Aircraft Maintenance Specialist and Bombardment Aircraft by Correspondence
AF-1704-0184
Aircraft Maintenance Specialist, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0181
Aircraft Maintenance Specialist, Tactical Aircraft by Correspondence
AF-1704-0102
Aircraft Maintenance Technician, Airlift and Bombardment Aircraft by Correspondence
AF-1704-0190
Aircraft Maintenance Technician, Tactical Aircraft by Correspondence
AF-1704-0162
Airframe Repair Specialist by Correspondence
AF-1704-0054
Airlift Aircraft Maintenance Specialist by Correspondence
AF-1704-0184
Apprentice Electrician by Correspondence
AF-1714-0023
Apprentice Food Service Specialist by Correspondence
AF-1729-0010
Apprentice Materiel Facilities Specialist by Correspondence
AF-1405-0018
Apprentice Medical Administrative Specialist by Correspondence
AF-0709-0028
Apprentice Services Specialist by Correspondence
AF-1729-0013
Apprentice Telecommunications Operations Specialist by Correspondence
AF-0504-0004
Apprentice Vehicle Operator/ Dispatcherby Correspondence
AF-0419-0026
Avionic Communications Specialist by Correspondence
AF-1715-0467
Avionic Inertial and Radar Navigation Systems Specialist by Correspondence
AF-1715-0442
Communications/Navigations Technician by Correspondence
AF-1715-0116
Computer Operations Supervisor by Correspondence
AF-1402-0068
Computer Operator by Correspondence
AF-1402-0017
Dental Assistant by Correspondence
AF-0701-0002
Electronic Computer Systems Specialist by Correspondence
AF-1715-0440
Electronic Warfare Systems Specialist by Correspondence
AF-1715-0466
Financial Management Specialist by Correspondence
AF-1408-0053
Financial Management Supervisor by Correspondence
AF-1408-0038
Financial Services Specialist by Correspondence
AF-1408-0021
Flight Engineer Specialist by Correspondence
AF-1704-0094
Food Service Specialist by Correspondence
AF-1729-0011
Food Service Supervisor by Correspondence
AF-1729-0012
Fuel Specialist by Correspondence
AF-1703-0019
General Accounting Specialist by Correspondence
AF-1408-0053
General Purpose Vehicle Mechanic by Correspondence
AF-1703-0018
Ground Radio Communications Specialist by Correspondence
AF-1715-0227
Ground Radio Communications Technician by Correspondence
AF-1715-0465
Ground Radio Operator by Correspondence
AF-0504-0002
Inventory Management Specialist by Correspondence
AF-1405-0051
Inventory Management Supervisor by Correspondence
AF-1405-0059
Jet Engine Mechanic by Correspondence
AF-1704-0137
Jet Engine Technician by Correspondence
AF-1704-0189
Law Enforcement Specialist by Correspondence
AF-1728-0009
Law Enforcement Supervisor by Correspondence
AF-1728-0010
Materiel Facilities Specialist by Correspondence
AF-1405-0013
Materiel Facilities Supervisor by Correspondence
AF-1405-0033
Medical Administrative Specialist by Correspondence
AF-0709-0027
Medical Service Specialist by Correspondence
AF-0703-0012
Medical Service Technician by Correspondence
AF-0703-0011
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001
National Security Management (Correspondence/Nonresident/Seminar Course of the National Defense University)
DD-1511-0001
Personnel Specialist by Correspondence
AF-1406-0044
Personnel Technician by Correspondence
AF-1406-0043
Programming Specialist by

BEST COPY AVAILABLE

Correspondence
AF-1402-0065
Programming Technician by Correspondence
AF-1402-0012
Security Specialist by Correspondence
AF-1728-0002
Security Supervisor by Correspondence
AF-1728-0003
Services Specialist by Correspondence
AF-1729-0014
Squadron Officer School Correspondence Program
AF-2203-0035
Staff Support Administration Specialist by Correspondence
AF-1403-0003
Strategic Aircraft Maintenance Specialist by Correspondence
AF-1704-0181
AF-1704-0188
Telecommunications Operations Specialist by Correspondence
AF-0504-0003
Telecommunications System Control Specialist by Correspondence
AF-1715-0390
Telecommunications Systems/Equipment Maintenance by Correspondence
AF-1715-0450
Turboprop Propulsion Mechanic by Correspondence
AF-1704-0172
Unit Orderly Room Administration Specialist by Correspondence
AF-1403-0004
Vehicle Operations Supervisior by Correspondence
AF-0419-0023
Weather Specialist by Correspondence
AF-1304-0013
Wideband Communications Equipment Specialist by Correspondence
AF-1715-0208

Cost
Advanced Cost and Economic Analysis
AF-1408-0016
Advanced Quantitative Methods in Cost Analysis
AF-1115-0004
Basic Quantitative Methods in Cost Analysis
AF-1115-0005
Quantitative Methods in Cost Analysis
AF-1115-0004
Real Estate and Cost Management Analysis Specialist
AF-0331-0001
Real Estate—Cost-Management Analysis Specialist
AF-0231-0001

Counseling
Drug Education and Counseling
AF-1512-0003

Counter-Countermeasures
Electronic Counter-Countermeasures Operator
AF-1715-0587

Counterintelligence
Reserve Special Investigations and Counterintelligence Training (Reserve Refresher)
AF-1728-0005
Special Investigations and Counterintelligence Officer
AF-1728-0020
Special Investigations and Counterintelligence Specialist
AF-1728-0020

Countermeasures
Airborne Electronic Countermeasures Specialist
AF-1715-0382
Basic Observer Electronic Countermeasures
AF-1715-0564
Electronic Counter-Countermeasures Operator
AF-1715-0587
Electronic Countermeasures Maintenance Technician
AF-1715-0324
Electronic Countermeasures Officer
AF-1715-0449
Electronic Warfare Countermeasures Specialist
AF-1715-0587
Weapons Controller (ECCM Operations Officer)/Electronic Warfare Countermeasures Specialist
AF-1715-0721

Crew
Master Crew Chief
AF-1704-0070

Criterion
Criterion Referenced Instruction (CRI) Worksnop
AF-1406-0009

Cryogenic
Cryogenic Fluids Production Specialist
AF-1730-0013

Cryptographic
Electronic Communications and Cryptographic Equipment Systems Repairman
AF-1715-0174
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
AF-1715-0174
KG-34 Cryptographic Equipment Maintenance
DD-1715-0004

Cryptologic
Cryptologic Course for Service Supervisors
DD-1404-0005
Cryptologic Skills for Cryptologic Management Personnel
DD-1404-0005
Cryptologic Skills for Noncommissioned Officers (NCO)
DD-1404-0005
Military Officer Advanced Cryptologic
DD-1404-0002
National Cryptologic School Resident Language
DD-0602-0041
Senior Military Cryptologic Supervisors
DD-1404-0001

Cytotechnology
Histopathology/Cytotechnology Specialist
AF-0702-0006

Czech
Czech
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0019
DD-0602-0024
DD-0602-0033
DD-0602-0044

CGM-13B
Missile Electronic Equipment Specialist (CGM-13B, TEMS)
AF-1715-0641
Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Missile Guidance and Control Specialist (CGM-13B, GSC)
AF-1715-0481
Missile Launch Officer (CGM-13B)
AF-1715-0658
Tactical Missile Checkout Equipment Repairman (CGM-13B TEMS)
AF-1715-0641
Tactical Missile Guidance Mechanic (CGM-13B)
AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Launch Specialist (CGM-13B)
AF-1715-0657

CH-3
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066

CH-53
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066

COBOL
Advanced COBOL Programming Techniques
AF-1402-0049
COBOL Programming
AF-1402-0011

COMSEC
National Communications Security (COMSEC)
DD-1404-0004

CRI
Criterion Referenced Instruction (CRI) Workshop
AF-1406-0009

Danish
Danish
DD-0602-0001
DD-0602-0006
DD-0602-0011
DD-0602-0014

Dari
Dari Afghan-Persian
DD-0602-0009
DD-0602-0045

BEST COPY AVAILABLE

Data
Advanced Data Automation Analysis and Design
AF-1402-0053
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Data Automation Officer
AF-1402-0046
Data Services Specialist
AF-1115-0006
Electronic Data Processing Officer
AF-1402-0046
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266
Fire Control Systems Mechanic (MG-10 Series Data Flow Specialist)
AF-1715-0708
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Weapons Control Systems Technician (MG-13 Data Flow)
AF-1715-0699

Data Processing
Advanced Data Processing Audit Analysis
AF-1402-0041
Auditing Data Processing Systems
AF-1402-0042
Data Processing Machine Operator
AF-1402-0019
Data Processing Machine Supervisor
AF-1402-0036
Data Processing Machine Supervisor (Punched Card)
AF-1402-0036
Electronic Analog Data Processing Equipment Repairman
AF-1715-0061
Electronic Data Processing Officer
AF-1402-0046
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266
Electronic Digital Data Processing Equipment Repairman
AF-1715-0018
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Electronic Digital Data Processing Equipment Repairman (Data Transmission)
AF-1715-0018
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348
Electronic Digital Data Processing Repairman (AN/FST-2B)
AF-1715-0018
Electronic Digital Data Processing Repairman (Data Processing Equipment/ 412L)
AF-1715-0110
Electronic Digital Data Processing Repairman (Display Equipment/SACCS)
AF-1715-0441
Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator)
AF-1715-0109
Management/Supervision of a Data Processing Installation (DPI)
AF-1402-0038

Data Systems
Data Systems and Statistics Officer
AF-1402-0001
Data Systems Analysis and Design (Enlisted)
AF-1402-0040
Data Systems Analysis and Design (Officer)
AF-1402-0039

Defense
Defense Advance Procurement Pricing
AF-1408-0008
Defense Basic Preservation and Packing
DD-0419-0004
Defense Equal Opportunity Management Institute
DD-1512-0001
Defense Equal Opportunity Management Institute Nonresident/Resident
DD-1512-0002
Defense Intelligence Course
DD-1511-0004
Defense Language Institute Advanced
DD-0602-0027
DD-0602-0037
Defense Language Institute Aural Comprehension
DD-0602-0015
DD-0602-0016
DD-0602-0017
DD-0602-0033
Defense Language Institute Basic
DD-0602-0012
DD-0602-0013
DD-0602-0014
DD-0602-0018
DD-0602-0019
DD-0602-0021
DD-0602-0026
DD-0602-0029
DD-0602-0030
DD-0602-0032
Defense Language Institute Basic (After 1956)
DD-0602-0002
Defense Language Institute Basic (1954–1956)
DD-0602-0001
Defense Language Institute Basic Language
DD-0602-0031
Defense Language Institute Extended
DD-0602-0020
Defense Language Institute Extended or Basic-Intermediate
DD-0602-0035
Defense Language Institute Gateway
DD-0602-0028
Defense Language Institute Intermediate
DD-0602-0022
DD-0602-0023
DD-0602-0024
DD-0602-0025
DD-0602-0036
Defense Language Institute Short Basic
DD-0602-0034
DD-0602-0042
Defense Language Institute Special
DD-0602-0038
Defense Language Institute Support Command
DD-0602-0040
Defense Language Institute-East Coast Branch
DD-0602-0039
Defense Management Systems
DD-1408-0005
Defense Mapping School Instructor
DD-1406-0001
Defense Missile Guidance Mechanic (GARS)
AF-1715-0635
Defense Missile Guidance Mechanic—Falcon (AIM)
AF-1715-0635
Defense Missile Guidance Mechanic, IM-99B
AF-1715-0308
Defense Missile Guidance Technician (GAR-1/2/11)
AF-1715-0650
Defense Packaging of Hazardous Materials for Transportation
DD-0419-0003
Defense Packaging Design
DD-0419-0006
Defense Packaging Management Training
DD-0419-0005
Defense Packing and Unitization
DD-0419-0002
Defense Preservation and Intermediate Protection
DD-0419-0001
Defense Race Relations Institute
DD-1512-0001
Defense Security Assistance Management Core
DD-1408-0001
Defense Security Assistance Management Overseas
DD-0327-0001
Defense Weapons Systems Management
AF-1408-0011
Inter-American Defense College
DD-1511-0005
Passive Defense Instructor
AF-0802-0004

Defensive
Defensive Systems Trainer Specialist, AN/GPQ-T6
AF-1715-0138

Demultiplexer
Maintenance of the TD 1220/G Multiplexer-Demultiplexer
DD-1715-0002
Operation, Maintenance,and Repair of the TD 1220/G and TD 1246/G Multiplexer-Demultiplexer
DD-1715-0002

Dental
Dental Assistant (Phase I)
AF-0701-0005
Dental Assistant (Phase II)
AF-0701-0006
Dental Assistant by Correspondence
AF-0701-0002
Dental Laboratory Specialist
AF-0701-0016

Dentistry
Preventive Dentistry Specialist
AF-0701-0008

BEST COPY AVAILABLE

Denture
Complete Denture Prosthetics
AF-0701-0010
Removable Partial Denture Prosthetics
AF-0701-0012

Design
Advanced Data Automation Analysis and Design
AF-1402-0053
Computer Systems Analysis and Design (Enlisted)
AF-1402-0040
Data Systems Analysis and Design (Enlisted)
AF-1402-0040
Data Systems Analysis and Design (Officer)
AF-1402-0039
Defense Packaging Design
DD-0419-0006

Designer
Automated Systems Program Designer
AF-1402-0010
AF-1402-0044
Automated Systems Program Designer (Management Support Systems)
AF-1402-0010

Development
Research and Development Procurement Officer
AF-1405-0036
AF-1405-0043
Site Development Specialist
AF-1601-0041

Diagnostic
Vehicle Diagnostic Test Equipment
AF-1703-0017

Diet
Diet Supervisor
AF-1729-0009
Diet Therapy Specialist
AF-0709-0001
Diet Therapy Supervisor
AF-1729-0009

Digital
Automatic Digital Switching Technician
AF-1402-0020
Digital Computer Principles
AF-1402-0062
Digital Subscriber Terminal Maintenance
AF-1715-0119
Digital Techniques
AF-1402-0022
Electric Digital Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351
Electronic Digital Computer Repairman (AN/FSA-21/412L)
AF-1715-0016
Electronic Digital Computer Repairman (Display Equip/465L)
AF-1402-0023
Electronic Digital Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266
Electronic Digital Data Processing Equipment Repairman
AF-1715-0018
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Electronic Digital Data Processing Equipment Repairman (Data Transmission)
AF-1715-0018
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348
Electronic Digital Data Processing Repairman (AN/FST-2B)
AF-1715-0018
Electronic Digital Data Processing Repairman (Data Processing Equipment/412L)
AF-1715-0110
Electronic Digital Data Processing Repairman (Display Equipment/SACCS)
AF-1715-0441
Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator)
AF-1715-0109
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Displays)
AF-1715-0210
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210
Solid State Devices and Digital Techniques
AF-1715-0042
AF-1715-0044

Disaster
Disaster Control Instructor
AF-0802-0001
Disaster Control Specialist
AF-0802-0001
AF-0802-0002
Disaster Preparedness Specialist
AF-0802-0001
AF-0802-0002
Disaster Preparedness Specialist (Additional Duty)
AF-0802-0001
Disaster Preparedness Specialist (Remote Duty)
AF-0802-0001

Disbursement
Accounting and Finance Supervisor (Disbursement Accounting)
AF-1401-0015
Disbursement Accounting Specialist
AF-1401-0006

Disbursing
Disbursing Clerk
AF-1408-0019
Disbursing Officer
AF-1401-0014
Disbursing Supervisor
AF-1408-0018

Disease
Disease Vector and Pest Control Technology
AF-0101-0001

Disk
RK11-D/RK05 Disk Systems Maintenance
DD-1715-0015
RP11/RP03 Dick Pack Maintenance
DD-1715-0008

Dispatcher
Apprentice Vehicle Operator/Dispatcherby Correspondence
AF-0419-0026

Display
Electronic Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Computer Systems Repairman (Display Equipment/412L)
AF-1715-0448
Electronic Digital Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Digital Data Processing Repairman (Display Equipment/SACCS)
AF-1715-0441

Disposal
Disposal Management
AF-1405-0056

Drafting
Cartographic Drafting
DD-1713-0002
Construction Drafting
DD-1713-0004

Drug
Drug Education and Counseling
AF-1512-0003

Dutch
Dutch
DD-0602-0006
DD-0602-0008
DD-0602-0031

DPC/465L
Electronic Computer Repairman (DPC/465L)
AF-1715-0057

DPI
Management/Supervision of a Data Processing Installation (DPI)
AF-1402-0038

DSIAT
Defense Senor Interpretation and Applications Training (DSIAT) (Officer)
AF-1606-0048
Defense Sensor Interpretation and Applications Training (DSIAT) (Airman)
AF-1606-0051

E-9
Fire Control Systems Mechanic (E-9 Series)
AF-1715-0201
Weapons Control Systems Mechanic (E-9 System)
AF-1715-0690
Weapons Control Systems Mechanic (E-9, MG-12 Systems)
AF-1715-0689
AF-1715-0690

Early Warning
Airborne Early Warning Radar Repairman (AN/APS-20E)
AF-1715-0025
Airborne Early Warning Radar Repairman (AN/APS-45)
AF-1715-0029

BEST COPY AVAILABLE

Airborne Early Warning Radar Specialist Principles
AF-1715-0533
Aircraft Early Warning Radar Maintenance Technician
AF-1715-0282
Aircraft Early Warning Radar Repairman
AF-1715-0427

Economic
Advanced Cost and Economic Analysis
AF-1408-0016

Editing
Sound and Picture Editing Specialist
AF-1709-0011

Editor
Newspaper Editor
DD-0504-0003

Education
Drug Education and Counseling
AF-1512-0003
Troop Information and Education Enlisted
DD-0504-0005
Troop Information and Education Officer
DD-0504-0006

Egyptian
Arabic (Egyptian, Syrian, Iraqi)
DD-0602-0026

Electrical
Advanced Electrical-Electronics Measurements
AF-1715-0168
Aircraft and Missile Electrical Repair Technician
AF-1704-0165
Aircraft Electrical Repair Technician
AF-1704-0165
Aircraft Electrical Systems Specialist by Correspondence
AF-1714-0003
Atomic Energy, Phase I (Electrical)
AF-1715-0169
Automotive AC Electrical Systems
AF-1703-0008
Electrical Engineering
AF-1715-0164
Electrical Power Production Operator
AF-1712-0005
Electrical Power Production Specialist
AF-1712-0005
Electrical Power Production Technician
AF-1715-0579
Weapons Fuzing Systems Specialist (Electrical)
AF-1714-0004

Electrician
Apprentice Electrician by Correspondence
AF-1714-0023
Electrician/Supervisor (SM-65F)
AF-1715-0312
Electrician/Supervisor (SM-68)
AF-1715-0307

Electro-Optical
Avionic Sensor Systems Specialist (Electro-Optical Sensors)
AF-1715-0478

Electroencephalographic
Electroencephalographic Specialist
AF-0709-0019

Electromechanical
Communications and Relay Center Equipment Repairman, Electromechanical
AF-1715-0132

Electronic
Airborne Electronic Countermeasures Specialist
AF-1715-0382
Aircraft Electronic Navigation Equipment Maintenance Technician
AF-1715-0510
Aircraft Electronic Navigation Equipment Technician
AF-1715-0510
Aircraft Sensor Systems Repairman (Electronic Sensors)
AF-1715-0479
Automatic Teletype and Electronic Switching Systems Repairman
AF-1715-0102
Avionic Sensor Systems Specialist (Electronic Sensors)
AF-1715-0475
Basic Observer Electronic Countermeasures
AF-1715-0564
Electronic Analog Data Processing Equipment Repairman
AF-1715-0061
Electronic Communications and Cryptographic Equipment Systems Repairman
AF-1715-0174
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
AF-1715-0174
Electronic Computer Maintenance Officer
AF-1715-0722
Electronic Computer Principles, FYQ-47 Preparatory (Radar Principles)
AF-1715-0030
Electronic Computer Repairman (AN/FSA-21/412L)
AF-1715-0016
Electronic Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Computer Repairman (DPC/465L)
AF-1715-0057
Electronic Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Computer Repairman BUIC AN/GSA-51A
AF-1715-0677
Electronic Computer Systems Repairman (BUIC AN/GSA-51A)
AF-1715-0447
Electronic Computer Systems Repairman (BUIC AN/GYK-19)
AF-1715-0447
Electronic Computer Systems Repairman (Display Equipment/412L)
AF-1715-0448
Electronic Computer Systems Repairman (EDTCC/SACCS)
AF-1715-0598
Electronic Computer Systems Repairman (FSQ-7/SAGE)
AF-1715-0058
Electronic Computer Systems Repairman (RCC-EDLCC/465L)
AF-1715-0443
Electronic Computer Systems Specialist by Correspondence
AF-1715-0440
Electronic Computer Systems Supervisor/Technician
AF-1402-0050
Electronic Countermeasures Officer
AF-1715-0449
Electronic Data Processing Officer
AF-1402-0046
Electronic Digital Computer Repairman (AN/FSA-21/412L)
AF-1715-0016
Electronic Digital Computer Repairman (Display Equip/465L)
AF-1402-0023
Electronic Digital Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Digital Data Processing Equipment Maintenance Technician (AN/FSQ-7 Systems Technician)
AF-1715-0266
Electronic Digital Data Processing Equipment Repairman
AF-1715-0018
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Electronic Digital Data Processing Equipment Repairman (Data Transmission)
AF-1715-0018
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348
Electronic Digital Data Processing Repairman (AN/FST-2B)
AF-1715-0018
Electronic Digital Data Processing Repairman (Data Processing Equipment/412L)
AF-1715-0110
Electronic Digital Data Processing Repairman (Display Equipment/SACCS)
AF-1715-0441
Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator)
AF-1715-0109
Electronic Emission Monitor/Analysis Specialist
AF-1715-0551
Electronic Instrument Trainer Specialist (C-11 Type)
AF-1715-0653
Electronic Intelligence Operations Specialist
AF-1715-0551
Electronic Intercept Operations Specialist (Interim)
AF-1715-0554
Electronic Intercept Operations/Analysis Specialist
AF-1715-0551

BEST COPY AVAILABLE

HM4118 Electronic Computer Repairman/Operator/407L
AF-1715-0392
Missile Electronic Equipment Specialist (AGM-28A/B)
AF-1715-0458
Missile Electronic Equipment Specialist (CGM-13B, TEMS)
AF-1715-0641
Missile Electronic Equipment Specialist (LGM-25)
AF-1715-0166
Missile Electronic Equipment Specialist, WS-133A
AF-1715-0456
Missile Electronic Equipment Specialist, WS-133A-M
AF-1715-0711
Missile Electronic Equipment Specialist, WS-133B
AF-1715-0461
Missile Electronic Equipment Technician WS-133(CDB)
AF-1715-0714
Special Electronic Equipment Specialist
AF-1715-0347
Weapons Fusing Systems Specialist (Electronic)
AF-1715-0149

Electronic Warfare
Electronic Warfare Countermeasures Specialist
AF-1715-0587
Electronic Warfare Officer
AF-1715-0529
Electronic Warfare Repairman
AF-1715-0532
Electronic Warfare Systems Specialist
AF-1715-0532
Electronic Warfare Systems Specialist by Correspondence
AF-1715-0466
Electronic Warfare Technician
AF-1715-0324

Electronics
Advanced Electrical-Electronics Measurements
AF-1715-0168
Air Electronics Officer
AF-1715-0323
Air Electronics Officer, Fighter A/C
AF-1715-0323
Communications-Electronics Engineer
AF-1715-0260
Communications-Electronics Officer
AF-1408-0048
Communications-Electronics Staff Officer
AF-1408-0048
Communications-Electronics Systems Staff Officer
AF-1715-0550
Electronics Systems Officer
AF-1715-0588
Ground Electronics Officer
AF-1715-0588
Ground Electronics Officer (Electronics)
AF-1715-0588
Ground Electronics Officer (ECCM)
AF-1715-0588
Precision Measuring Equipment Specialist (Electronics)
AF-1715-0033
Special Electronics Equipment Specialist, Q System
AF-1715-0350
Specialized Communications and Electronics (C & E) Training
AF-1715-0198

Emission
Electronic Emission Monitor/Analysis Specialist
AF-1715-0551

Encrypted
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351
Electronic Communications and Cryptographic Systems Equipment Repairman (Ciphony) (Encrypted Tel-Data Fax)
AF-1715-0174

Energy
Atomic Energy, Phase I
AF-1715-0169
Atomic Energy, Phase I (Electrical)
AF-1715-0169
Officers Phase I, Atomic Energy
AF-1715-0290

Enforcement
Law Enforcement Specialist by Correspondence
AF-1728-0009
Law Enforcement Supervisor by Correspondence
AF-1728-0010

Engine
Aircraft Maintenance Technician, Reciprocating Engine Aircraft
AF-1704-0058
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Jet Engine Mechanic by Correspondence
AF-1704-0137
Jet Engine Technician by Correspondence
AF-1704-0189
Reciprocating Engine Technician
AF-1704-0049

Engineer
Base Civil Engineer
AF-1601-0044
Basic Installations Engineering Officer
AF-1601-0044
C-141 Flight Engineer Technician
AF-1704-0031
C-5 Flight Engineer Technician
AF-1704-0033
Communications-Electronics Engineer
AF-1715-0260
Engineer Environmental Support Specialist
AF-1732-0001
Flight Engineer School, C-5
AF-1704-0033
Flight Engineer Specialist
AF-1704-0027
Flight Engineer Specialist by Correspondence
AF-1704-0094
Flight Engineer Specialist, Jet Aircraft
AF-1704-0027
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Flight Engineer Technician
AF-1704-0027

Engineering
Air Conditioning Engineering
AF-1701-0001
Applied Engineering
AF-1601-0022
Basic Installations Engineering Officer
AF-1601-0044
Bio-Environmental Engineering
AF-0707-0003
Building Systems Engineering
AF-1601-0025
Electrical Engineering
AF-1715-0164
Engineering Entomology Specialist
AF-0101-0002
Engineering Entomology Specialist/Technician
AF-0101-0003
Executive Engineering
AF-1408-0024
Industrial Engineering Techniques
AF-1601-0023
Maintenance Engineering Production Analysis
AF-1408-0006
AF-1408-0007
Management Engineering Officer
AF-1115-0007
Management Engineering Specialist
AF-1408-0012
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001

Entertainment
Shipboard Information, Training and Entertainment (SITE) System Operators
DD-0504-0010
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010

Entomology
Engineering Entomology Specialist
AF-0101-0002
Engineering Entomology Specialist/Technician
AF-0101-0003
Entomology Specialist
AF-0101-0003

Environmental
Engineer Environmental Support Specialist
AF-1732-0001
Environmental Health Specialist
AF-0707-0008
Environmental Protection
AF-0707-0007

Equal
Defense Equal Opportunity Management Institute
DD-1512-0001
Defense Equal Opportunity Management Institute Nonresident/Resident
DD-1512-0002

Equipment
Aerospace Ground Equipment Repair Technician
AF-1717-0012
Aircraft and Missile Ground Support Equipment Repair
AF-1717-0012
Apprentice Medical Equipment Repairman
AF-1715-0001

Best Copy Available

Avionics Aerospace Ground Equipment Specialist
AF-1715-0537
Basic Weather Service (Equipment Channel)
AF-1715-0412
Biomedical Equipment Maintenance Specialist
AF-1715-0001
Equipment Cooling Specialist
AF-1730-0002
Flight Facilities Equipment Maintenance Technician
AF-1715-0019
Flight Facilities Equipment Technician
AF-1715-0019
Ground Equipment Maintenance Officer
AF-1717-0021
Ground Weather Equipment Operator
AF-1715-0412
Medical Equipment Repairman
AF-1715-0001
Reproduction Equipment Repair
DD-1706-0002
Special Electronic Equipment Specialist
AF-1715-0347
Special Electronics Equipment Specialist, Q System
AF-1715-0350
Telecommunications Systems/Equipment Maintenance by Correspondence
AF-1715-0450
Telephone Equipment Installer-Repairman
AF-1715-0048
Weather Equipment Repairman
AF-1715-0412
Weather Equipment Technician
AF-1715-0417

Evacuation
Aeromedical Evacuation Technician
AF-0709-0011

Executive
Administration Management and Executive Support Officer
AF-1408-0067
Administration Management/Executive Support
AF-1408-0067
Automated Information Systems Management for Intermediate Executives
DD-1402-0003
Computer Orientation for Intermediate Executives
DD-1402-0003
Executive Engineering
AF-1408-0024
Executive Hospital Housekeeper
AF-0902-0001

Extended
Defense Language Institute Extended
DD-0602-0020

EAME
Radio Relay Equipment Repairman (EAME)
AF-1715-0404

ECCM
ECCM Operator
AF-1715-0587
Ground Electronics Officer (ECCM)
AF-1715-0588
Weapons Controller (ECCM Operations Officer)
AF-1715-0721
Weapons Controller (ECCM Operations Officer)/Electronic Warfare Countermeasures Specialist
AF-1715-0721

ECM
Airborne ECM Operator
AF-1715-0382
Aircraft ECM Maintenance Technician
AF-1715-0324
ECM Officer
AF-1715-0449
Ground ECM Specialist
AF-1715-0121

EDDT
Electronic Communications and Cryptographic Equipment Systems Repairman (Encrypted Digital Data Terminals)(EDDT)
AF-1715-0351

EDTCC/SACCS
Electronic Computer Systems Repairman (EDTCC/SACCS)
AF-1715-0598

ELINT
Advanced ELINT Collection/Analysis
DD-1715-0017
Intermediate ELINT Collection and Analysis
DD-1715-0016

F-106A/B
Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
AF-1715-0375

F-111
F-111 Computer/Programmer Test Stations Technician
AF-1715-0205
F-111 Flight Control Test Station Technician
AF-1715-0004
F-111 Radar and Control Test Stations Technician
AF-1715-0261

F-111A
F-111A Computer/Navigation Test Station Technician
AF-1402-0024
F-111A Weapons System Training
AF-1606-0117
F-111A Weapons System Training (Aircraft Commander)
AF-1606-0132
F-111A Weapons System Training (Mark I)
AF-1606-0117
F-111A Weapons System Training (NAV/PILOT)
AF-1606-0117
Weapons Control Systems Mechanic (F-111A)
AF-1715-0486

F-4
Weapons Control Systems Mechanic (F-4C/D: APQ-109/APA-165)
AF-1715-0535

F-4E
Weapons Control Systems Mechanic (F-4E)
AF-1715-0610
Weapons Control Systems Mechanic (F-4E:APQ-120)
AF-1715-0610

F/FB-111
Weapons Control System Mechanic (F/FB-111)
AF-1715-0486

Fabric
Fabric and Rubber Products Specialist
AF-1716-0001
Fabric, Leather and Rubber Products Repairman
AF-1716-0001

Facilities
Apprentice Materiel Facilities Specialist by Correspondence
AF-1405-0018
Flight Facilities Equipment Repairman
AF-1715-0490
Flight Facilities Equipment Repairman (ILS)
AF-1715-0632
Flight Facilities Equipment Repairman (Ranges and Beacons)
AF-1715-0253
Materiel Facilities Specialist by Correspondence
AF-1405-0013
Materiel Facilities Supervisor by Correspondence
AF-1405-0033
Missile Facilities Specialist
AF-1715-0637

Falcon
Defense Missile Guidance Mechanic—Falcon (AIM)
AF-1715-0635

Fighter
Air Electronics Officer, Fighter A/C
AF-1715-0323
Armament Systems Officer (Fighter)
AF-1715-0497
Avionics Officer (Fighter)
AF-1715-0497

Filipino
Filipino, Tagalog
DD-0602-0009
DD-0602-0045

Film
Film Cutting Specialist
AF-1709-0011

Finance
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II)
AF-1401-0016
Accounting and Finance Automated Materiel System
AF-1401-0016
Accounting and Finance Officer
AF-1401-0009
Accounting and Finance Specialist
AF-1401-0001
Accounting and Finance Supervisor
AF-1401-0010
Accounting and Finance Supervisor (Disbursement Accounting)
AF-1401-0015
Finance Specialist
AF-1401-0001
Finance Supervisor
AF-1408-0062
AF-1408-0065

Financial
Financial Administration
AF-1408-0002
Financial Management Specialist by

Correspondence
AF-1408-0053
Financial Management Supervisor by Correspondence
AF-1408-0038
Financial Services Specialist by Correspondence
AF-1408-0021
Industry Financial Management
DD-1408-0003

Finnish
Finnish
DD-0602-0009
DD-0602-0014
DD-0602-0044

Fire
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Displays)
AF-1715-0210
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210

Fire Control
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58, MD-7, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)
AF-1715-0540
Fire Control Systems Mechanic (AN/ASG-14 System)
AF-1715-0204
Fire Control Systems Mechanic (E-9 Series)
AF-1715-0201
Fire Control Systems Mechanic (MA-7 System)
AF-1715-0688
Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464
Fire Control Systems Mechanic (MG-10 Series Data Flow Specialist)
AF-1715-0708
Fire Control Systems Mechanic, MG-10 Radar
AF-1715-0258
Offensive Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464

Firefighting
H-43 Firefighting
AF-1606-0129

Flight
C-141 Flight Engineer Technician
AF-1704-0031
C-5 Flight Engineer Technician
AF-1704-0033
Flight Engineer School, C-5
AF-1704-0033
Flight Engineer Specialist
AF-1704-0027
Flight Engineer Specialist by Correspondence
AF-1704-0094
Flight Engineer Specialist, Jet Aircraft
AF-1704-0027
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Flight Engineer Technician
AF-1704-0027
Flight Facilities Equipment Basic O/I Maintenance
AF-1715-0002
Flight Facilities Equipment Maintenance Technician
AF-1715-0019
Flight Facilities Equipment Repairman
AF-1715-0490
Flight Facilities Equipment Repairman (ILS)
AF-1715-0632
Flight Facilities Equipment Repairman (Ranges and Beacons)
AF-1715-0253
Flight Facilities Equipment Technician
AF-1715-0019
Flight Mechanic Advanced Flying
AF-1606-0064
Flight Mechanic Training
AF-1606-0037
Flight Nurse
AF-0703-0008
Flight Simulator Fundamentals
AF-1715-0706
Flight Simulator Specialist
AF-1715-0706
Flight Simulator Technician
AF-1715-0573
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Medical Officer Flight Familiarization Training (T-33)
AF-1606-0127
Medical Officer Flight Familiarization Training (T-37)
AF-1606-0127
Navigation/Bombing Trainer and Flight Simulator Tactics Specialist
AF-1715-0455

Flight Control
Automatic Flight Control System Specialist
AF-1715-0460
Automatic Flight Control Systems Technician
AF-1715-0378
Automatic Flight Control Systems Technician (Fighters and B-58)
AF-1715-0378

Fluids
Cryogenic Fluids Production Specialist
AF-1730-0013

Flying
Flight Mechanic Advanced Flying
AF-1606-0064
Helicopter Mechanic Advanced Flying (HH-3E) ARRS
AF-1606-0037
Helicopter Mechanic Advanced Flying (HH-53) ARRS
AF-1606-0037
Helicopter Mechanic Flying (H-3) Basic
AF-1606-0037
Helicopter Mechanic Flying (H-53) Basic
AF-1606-0037
Pararescue Advanced Flying Training—LBR
AF-1606-0130
Pilot Advanced Flying
AF-1606-0065
Pilot Advanced Flying (H-3) Basic
AF-1606-0036
Pilot Advanced Flying (H-53) Basic
AF-1606-0036
Pilot Advanced Flying (HH-3E) ARRS
AF-1606-0036
Pilot Advanced Flying (HH-53) ARRS
AF-1606-0036
Pilot Advanced Flying (TH-1F) Basic
AF-1606-0138
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139
Pilot Advanced Flying (UH-1N) Basic
AF-1606-0140

Food
Apprentice Food Service Specialist by Correspondence
AF-1729-0010
Food Service Specialist by Correspondence
AF-1729-0011
Food Service Supervisor by Correspondence
AF-1729-0012
Medical Aspects of Food Handling
AF-0709-0018

Forecaster
Weather Forecaster
AF-1304-0002
Weather Forecaster Technician
AF-1304-0002

Foreign
Foreign Language Institute Language Program
DD-0602-0004
Foreign Service Institute Langauge Programs
DD-0602-0047
Foreign Service Institute Language Program
DD-0602-0003
Foreign Service Institute Language Programs
DD-0602-0005
DD-0602-0006
DD-0602-0007
DD-0602-0008
DD-0602-0009
DD-0602-0010
DD-0602-0011
DD-0602-0045
DD-0602-0046
Foreign Service Institute Language Service Programs
DD-0602-0043
Foreign Service Language Institute

BEST COPY AVAILABLE

Language Programs
DD-0602-0044

Forward
Store and Forward Communications System Computer Programmer
AF-1402-0057

Freight
Air Freight Specialist
AF-0419-0007
Freight Traffic Specialist
AF-0419-0009

French
French
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006
DD-0602-0008
DD-0602-0018
DD-0602-0033
DD-0602-0034
DD-0602-0036
DD-0602-0039

Fuel
Aircraft Fuel Systems Mechanic by Correspondence
AF-1704-0191
Fuel Specialist by Correspondence
AF-1703-0019
Fuel Supply Officer
AF-1405-0034
Liquid Fuel Systems Maintenance Specialist (Conventional Fuel)
AF-1601-0006
Liquid Fuel Systems Maintenance Specialist (HGM-25)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (SM-68A)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68
AF-1601-0045

Fusing
Weapons Fusing System Specialist
AF-1715-0129
Weapons Fusing Systems Specialist (Electronic)
AF-1715-0149

Fuzing
Weapons Fuzing Systems Specialist (Electrical)
AF-1714-0004

FB-111
Bomb Navigation Systems Mechanic (FB-111)
AF-1715-0006
Navigator Bombardier System Training (FB-111)
AF-1606-0146
Navigator Bombardier Upgrade Training (FB-111)
AF-1606-0084

FORTRAN
FORTRAN Programming
AF-1402-0007

FPTS
Ground Communications Equipment Repairman(Heavy)(FPTS)
AF-1715-0079
Radio Relay Equipment Repairman (FPTS)
AF-1715-0079
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A)
AF-1715-0079

FYQ-47
Electronic Computer Principles, FYQ-47 Preparatory (Radar Principles)
AF-1715-0030

Gateway
Defense Language Institute Gateway
DD-0602-0028

General
General Purpose Automatic Transmission Maintenance
AF-1703-0012
General Purpose Vehicle Repairman
AF-1703-0006
General Purpose Vehicle Repairman (Accelerated)
AF-1703-0007

Geodesy
Mapping, Charting, and Geodesy Officer
DD-1601-0007
Mapping, Charting, and Geodesy Senior Officer
DD-1601-0017

Geodetic
Advanced Geodetic Survey
DD-1601-0014
Advanced Geodetic Surveying
DD-1601-0003
Basic Geodetic Survey
DD-1601-0010
Basic Geodetic Surveying
DD-1601-0010
Geodetic Computing
DD-1601-0006
Geodetic Surveying
DD-1601-0002
DD-1601-0010

German
German
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006
DD-0602-0008
DD-0602-0011
DD-0602-0016
DD-0602-0020
DD-0602-0022
DD-0602-0028
DD-0602-0030
DD-0602-0034
DD-0602-0035
DD-0602-0036
DD-0602-0039

Global
Global Medicine
AF-0799-0001

Graphics
Graphics Preparation and Illustration Techniques
AF-0202-0001

Greek
Greek
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0029
DD-0602-0034
DD-0602-0044

Ground
Aerospace Ground Equipment Mechanic by Correspondence
AF-1704-0187
Aerospace Ground Equipment Repair Technician
AF-1717-0012
Aerospace Ground Equipment Technician by Correspondence
AF-1704-0192
Aircraft and Missile Ground Support Equipment Repair
AF-1717-0012
Avionics Aerospace Ground Equipment Specialist
AF-1715-0537
Ground C-E-M Maintenance Analysis Technician
AF-1113-0001
Ground Communications Equipment Maintenance Technicial (Light)
AF-1715-0230
Ground Communications Equipment Maintenance Technician (Heavy)
AF-1715-0239
Ground Communications Equipment Maintenance Technician (Light)
AF-1715-0230
Ground Communications Equipment Repairman (Heavy) Receivers
AF-1715-0499
Ground Communications Equipment Repairman (Heavy) Transmitters
AF-1715-0530
Ground Communications Equipment Repairman (Light)
AF-1715-0696
Ground Communications Equipment Repairman (VHF-UHF)
AF-1715-0498
Ground Communications Equipment Technician (Light)
AF-1715-0230
Ground Communications Equipment Technician (Light)(TDDL Equipment)
AF-1715-0561
Ground Communications Equipment Technician (TDDL)
AF-1715-0561
Ground Electronics Officer
AF-1715-0588
Ground Electronics Officer (Electronics)
AF-1715-0588
Ground Electronics Officer (ECCM)
AF-1715-0588
Ground Equipment Maintenance Officer
AF-1717-0021
Ground ECM Specialist
AF-1715-0121
Ground Radar Systems Supervisor/ Technician
AF-1715-0367
Ground Radio Communications Equipment Repairman
AF-1715-0534
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491
Ground Radio Communications Equipment Repairman (WS-133A/B)
AF-1715-0495
Ground Radio Communications Equipment Technician
AF-1715-0088
Ground Radio Communications Specialist by Correspondence
AF-1715-0227
Ground Radio Communications

BEST COPY AVAILABLE

Technician by Correspondence
AF-1715-0465
Ground Radio Officer
AF-1715-0548
Ground Radio Operator by Correspondence
AF-0504-0002
Ground Radio Repairman
AF-1715-0705
Ground Radio Systems Supervisor/Technician
AF-1715-0577
Ground Safety Specialist
AF-0802-0016
Ground Weather Observing Procedures
AF-1304-0003

Guidance
Air Launch Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
AGM Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Defense Missile Guidance Mechanic (GARS)
AF-1715-0635
Defense Missile Guidance Mechanic—Falcon (AIM)
AF-1715-0635
Defense Missile Guidance Mechanic, IM-99B
AF-1715-0308
Defense Missile Guidance Technician (GAR-1/2/11)
AF-1715-0650
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Guidance and Control Officer (RIGS) (HGM-25A)
AF-1715-0672
Guidance and Control Officer (RIGS) (SM 68A)
AF-1715-0672
Guidance Control Officer (Computer)(SM-68)
AF-1715-0037
Guidance Control Officer (RIGS) (SM-68)
AF-1715-0672
Guidance System Mechanic (TM-76B)
AF-1715-0481
Guidance System Technician (SM68)
AF-1704-0126
Guidance Systems Analyst (TM-76A)
AF-1714-0005
Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327
Guidance Systems Mechanic (GAR-1/2/3)
AF-1715-0635
Guidance Systems Mechanic (GAR-3)
AF-1715-0325
Guidance Systems Mechanic (GARS)
AF-1715-0635
Guidance Systems Mechanic (SM-65, 68)
AF-1715-0508
Guidance Systems Mechanics
AF-1715-0326
Guidance Systems Officer
AF-1715-0648
Guidance Systems Officer (Surface-to-Surface) (TM-61C)
AF-1715-0648
Guidance Systems Technician (GAR-1)
AF-1715-0650
Guidance Systems Technician (GAR-1/2)
AF-1715-0650
Guidance Systems Technician (GAR-1/2/11)
AF-1715-0650
GAM Guidance Mechanic, GAM-77
AF-1715-0649
Missile Guidance and Control Specialist (AGM-28)
AF-1715-0649
Missile Guidance and Control Specialist (AGM-28A/B)
AF-1715-0649
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Specialist (AIM)
AF-1715-0671
Missile Guidance and Control Specialist (AIM) (ADC)
AF-1715-0671
Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Missile Guidance and Control Specialist (CGM-13B, CSC)
AF-1715-0481
Missile Guidance and Control Specialist (LGM-25)
AF-1715-0137
Pilotless Aircraft Guidance and Control Officer
AF-1715-0648
Tactical Missile Guidance Mechanic (CGM-13B)
AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, MGM-13C)
AF-1715-0481
Tactical Missile Guidance Mechanic (MGM-13A)
AF-1715-0484
Tactical Missile Guidance Mechanic (TM-76B, GSC)
AF-1715-0481
Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS)
AF-1715-0481

Guided Missile
Guided Missile Maintenance Officer TM-76A
AF-1715-0647
Guided Missile Operations Officer (TM-76A)
AF-1715-0133
Guided Missile Operations Officer (TM-76B)
AF-1715-0658
Guided Missile Operations/Maintenance Officer (Ballistic Missiles)
AF-1715-0663

Gunlaying
Gunlaying System Mechanic, B-36
AF-1715-0041
Gunlaying System Mechanic, B-47
AF-1715-0040

Gunnery
Gunnery Trainer Specialist
AF-1715-0216

GAM
GAM Analyst Mechanic, GAM-77
AF-1715-0454
GAM Guidance Mechanic, GAM-77
AF-1715-0649

GAM-72
Control Systems Mechanic, GAM-72
AF-1715-0318

GAM-77
GAM Analyst Mechanic, GAM-77
AF-1715-0454
GAM Checkout Equipment Repairman (GAM-77)
AF-1715-0458
GAM Guidance Mechanic, GAM-77
AF-1715-0649
Missile Mechanic (GAM-77)
AF-1715-0693

GAR-1
Defense Missile Guidance Technician (GAR-1/2/11)
AF-1715-0650
Guidance Systems Mechanic (GAR-1/2/3)
AF-1715-0635
Guidance Systems Technician (GAR-1)
AF-1715-0650
Guidance Systems Technician (GAR-1/2)
AF-1715-0650
Guidance Systems Technician (GAR-1/2/11)
AF-1715-0650

GAR-3
Guidance Systems Mechanic (GAR-3)
AF-1715-0325

GARS
Defense Missile Guidance Mechanic (GARS)
AF-1715-0635
Guidance Systems Mechanic (GARS)
AF-1715-0635

GCA
GCA Radar Officer
AF-1717-0008

GEMS
Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS)
AF-1715-0481

H-1
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
H-1 Helicopter Pilot
AF-1606-0131
Helicopter Instructor Pilot (H-1, H-1N,

BEST COPY AVAILABLE

H-1F, CH-3, CH-53, HH-53)
AF-1606-0066

H-1F
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066

H-1N
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066

H-3
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
Helicopter Mechanic Advanced Flying (HH-3E) ARRS
AF-1606-0037
Helicopter Mechanic Flying (H-3) Basic
AF-1606-0037
Pilot Advanced Flying (H-3) Basic
AF-1606-0036
Pilot Advanced Flying (HH-3E) ARRS
AF-1606-0036

H-43
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
H-43 Firefighting
AF-1606-0129

H-53
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
Helicopter Mechanic Advanced Flying (HH-53) ARRS
AF-1606-0037
Helicopter Mechanic Flying (H-53) Basic
AF-1606-0037
Pilot Advanced Flying (H-53) Basic
AF-1606-0036
Pilot Advanced Flying (HH-53) ARRS
AF-1606-0036

Hausa
Hausa
DD-0602-0004

Hazardous
Defense Packaging of Hazardous Materials for Transportation
DD-0419-0003

Health
Environmental Health Specialist
AF-0707-0008
Health Services Administration
AF-1401-0017
Health Services Administration—Advanced
AF-1408-0068

Hebrew
Hebrew
DD-0602-0009
DD-0602-0044

Helicopter
Advanced Helicopter Pilot Training
AF-1606-0036
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
Advanced Helicopter Training
AF-1606-0128
H-1 Helicopter Pilot
AF-1606-0131
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Instructor Pilot Training
AF-1606-0063
Helicopter Mechanic Advanced Flying (HH-3E) ARRS
AF-1606-0037
Helicopter Mechanic Advanced Flying (HH-53) ARRS
AF-1606-0037
Helicopter Mechanic Flying (H-3) Basic
AF-1606-0037
Helicopter Mechanic Flying (H-53) Basic
AF-1606-0037
Helicopter Pilot Transition Training (TH-1)
AF-1606-0091
Instrument Pilot Instructor (Helicopter)
AF-1406-0029

Hindi
Hindi-Urdu
DD-0602-0009
DD-0602-0044

Histopathology
Histopathology/Cytotechnology Specialist
AF-0702-0006

Historian
Unit Historian Development
AF-2203-0007

Hospital
Executive Hospital Housekeeper
AF-0902-0001

Household
Passenger and Household Goods Specialist
AF-0419-0025

Housekeeper
Executive Hospital Housekeeper
AF-0902-0001

Human
Human Relations Advisor
AF-1513-0001

Hungarian
Hungarian
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0030
DD-0602-0033
DD-0602-0044

Hygiene
Industrial Hygiene Measurements
AF-0707-0006
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001

HC-130
HC-130 Aircrew Instructor Training
AF-1606-0149

HGM-25
Liquid Fuel Systems Maintenance Specialist (HGM-25)
AF-1601-0032

HGM-25A
Guidance and Control Officer (RIGS) (HGM-25A)
AF-1715-0672

HH-3E
Helicopter Mechanic Advanced Flying (HH-3E) ARRS
AF-1606-0037
Pilot Advanced Flying (HH-3E) ARRS
AF-1606-0036

HH-43
Pilot Advanced Flying (HH-43) ARRS
AF-1606-0128

HH-53
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Mechanic Advanced Flying (HH-53) ARRS
AF-1606-0037
Pilot Advanced Flying (HH-53) ARRS
AF-1606-0036

HM4118
HM4118 Computer Programmer Tactical and Control System
AF-1402-0033
HM4118 Electronic Computer Repairman/Operator/407L
AF-1715-0392

Igbo
Igbo
DD-0602-0003

Illustration
Graphics Preparation and Illustration Techniques
AF-0202-0001

Imagery
Imagery Intelligence Officer
AF-1609-0061
Imagery Interpretation
AF-1709-0014
Imagery Interpreter Specialist
AF-1709-0015
Navy Specialized Imagery Interpretation
AF-1709-0016

Indonesian
Indonesian
DD-0602-0009
DD-0602-0032
DD-0602-0033
DD-0602-0034
DD-0602-0044

Indonesian-Malay
Indonesian-Malay
DD-0602-0012

Industrial
Industrial College of the Armed Forces (Resident Program)
DD-1511-0003
Industrial Engineering Techniques
AF-1601-0023
Industrial Hygiene Measurements
AF-0707-0006
Industrial Property Administration (JT)
AF-0326-0001
Industrial Security Specialist
DD-1728-0001
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001

Industry
Industry Financial Management
DD-1408-0003

Inertial
Aircraft Inertial and Radar Navigation Systems Repairman
AF-1715-0027
Aircraft Inertial and Radar Navigation

Systems Repairman (RF-4C Supplement)
AF-1715-0022
Avionic Inertial and Radar Navigation Systems Specialist
AF-1715-0027
Avionic Inertial and Radar Navigation Systems Specialist by Correspondence
AF-1715-0442
Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327

Information
Advanced Information Specialist
DD-0504-0002
Automated Information Systems Management for Intermediate Executives
DD-1402-0003
Automated Information Systems Management for Intermediate Managers
DD-1402-0003
Information Enlisted
DD-0504-0004
Information Officer
DD-0504-0009
Information Officer (Reserve Component)
DD-0504-0011
Information Officer Basic
DD-0504-0009
Information Security Management
DD-1728-0002
Information Specialist
DD-0504-0004
Information Specialist (Broadcaster)
DD-0505-0001
Information Specialist (Journalist)
DD-0504-0001
Maintenance Management and Information Systems
AF-1408-0013
Public Information Enlisted
DD-0504-0008
Public Information Officer
DD-0504-0007
Shipboard Information, Training and Entertainment (SITE) System Operators
DD-0504-0010
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010
Troop Information and Education Enlisted
DD-0504-0005
Troop Information and Education Officer
DD-0504-0006

Initial
Initial Provisioning
AF-1405-0035

Input
Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator)
AF-1715-0109

Inspection
Non-Destructive Inspection Specialist
AF-1724-0003

Instruction
Criterion Referenced Instruction (CRI) Workshop
AF-1406-0009
PDP-11 Instruction Set
DD-1715-0011

Instructional
Instructional Programmer
AF-1406-0024
Instructional Systems Materials Development
AF-1406-0024

Instructor
Academic Instructor
AF-1406-0034
ATC Instructor Training
AF-1406-0039
AF-1406-0041
ATC Instructor Training (Navigator)
AF-1406-0039
Defense Mapping School Instructor
DD-1406-0001
Disaster Control Instructor
AF-0802-0001
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Instructor Pilot Training
AF-1606-0063
HC-130 Aircrew Instructor Training
AF-1606-0149
Instructor Training for Aircraft Observer
AF-1406-0039
Instrument Pilot Instructor (Helicopter)
AF-1406-0029
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Instrument Pilot Instructor Training (T-39)
AF-1606-0011
Marksmanship Instructor
AF-2203-0001
Military Training Instructor
AF-1512-0002
Navigator Instructor Training
AF-1406-0039
OTS Instructor Training
AF-1406-0027
Passive Defense Instructor
AF-0802-0004
Pilot Instructor Training (T-37)
AF-1406-0021
Pilot Instructor Training (T-38)
AF-1406-0010
Pilot Instructor Training (T-41)
AF-1406-0011
Survival Instructor Training
AF-0802-0018
Technical Instructor
AF-1406-0023
AF-1406-0030

Instrument
Electronic Instrument Trainer Specialist (C-11 Type)
AF-1715-0653
Instrument Pilot Instructor (Helicopter)
AF-1406-0029
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Instrument Pilot Instructor Training (T-39)
AF-1606-0011
Instrument Trainer Specialist (C-11)
AF-1715-0653
Optical Survey Instrument Repair
DD-1721-0001
Topographic Instrument Repair
DD-1721-0001

Instrumentation
Instrumentation Mechanic
AF-1715-0719

Integrated
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Displays)
AF-1715-0210
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476

Intelligence
Advanced Aerospace Photo Intelligence
AF-1606-0047
Air Intelligence Airman
AF-1606-0059
Air Intelligence Officer
AF-1606-0052
AF-1606-0054
AF-1606-0055
Defense Intelligence Course
DD-1511-0004
Electronic Intelligence Operations Specialist
AF-1715-0551
Imagery Intelligence Officer
AF-1606-0061
Intelligence Area Studies (SEA)
AF-1601-0042
Intelligence Officer
AF-1606-0052
Intelligence Operations Specialist
AF-1606-0059
Intelligence Operations Technician
AF-1606-0021
Intelligence Photo-Radar Officer
AF-1709-0017
AF-1709-0021
Intelligence Precision Photographic Officer
AF-1606-0056
National Senior Intelligence
DD-1606-0001
Naval Intelligence Officer
AF-1606-0001
Photographic Intelligenceman
AF-1606-0059
Postgraduate Intelligence Course
DD-1511-0004

BEST COPY AVAILABLE

Intelligenceman
Photographic Intelligenceman
AF-1606-0059

Inter-American
Inter-American Defense College
DD-1511-0005

Intercept
Electronic Intercept Operations Specialist (Interim)
AF-1715-0554
Electronic Intercept Operations/Analysis Specialist
AF-1715-0551
Navigator Radar Intercept
AF-1606-0045
Radar Intercept Officer Training
AF-1606-0045
Radar Intercept Officer Training (MG-12/13)
AF-1606-0045

Intermediate
Defense Language Institute Intermediate
DD-0602-0022
DD-0602-0023
DD-0602-0024
DD-0602-0025
DD-0602-0036

Interpretation
Defense Senor Interpretation and Applications Training (DSIAT) (Officer)
AF-1606-0048
Defense Sensor Interpretation and Applications Training (DSIAT) (Airman)
AF-1606-0051
Imagery Interpretation
AF-1709-0014
Navy Specialized Imagery Interpretation
AF-1709-0016
Photo Interpretation Specialist
AF-1606-0050

Interpreter
Imagery Interpreter Specialist
AF-1709-0015

Inventory
Inventory Management Specialist by Correspondence
AF-1405-0051
Inventory Management Supervisor
AF-1405-0011
Inventory Management Supervisor by Correspondence
AF-1405-0059

Investigations
Reserve Special Investigations and Counterintelligence Training (Reserve Refresher)
AF-1728-0005
Special Investigations and Counterintelligence Officer
AF-1728-0020
Special Investigations and Counterintelligence Specialist
AF-1728-0020

Investigator
Reserve Special Investigator
AF-1728-0006

Isochronous
CV-3511 Isochronous Channel Converter
DD-1715-0003
CV-3511(P)/G Isochronous Channel Coverter Maintenance and Repair
DD-1715-0003

Italian
Italian
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006
DD-0602-0008
DD-0602-0018
DD-0602-0034
DD-0602-0039

Italian-Sicilian
Italian-Sicilian
DD-0602-0014

IATS
IATS System Maintenance
DD-1715-0006

IDHS 1410 FFS
IDHS 1410 FFS Operations and Specifications II
AF-1402-0043

IFF
Aircraft Control and Warning Radar Repairman (AN/CPS-1, AN/CPS-4, AN/CPS-5 and IFF)
AF-1715-0104
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF)
AF-1715-0023

ILS
Flight Facilities Equipment Repairman (ILS)
AF-1715-0632

IM-99B
Defense Missile Guidance Mechanic, IM-99B
AF-1715-0308

Japanese
Japanese
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0021
DD-0602-0033
DD-0602-0034
DD-0602-0035
DD-0602-0045
DD-0602-0046

Jet
Aircraft Maintenance Technician, Jet Engine Aircraft
AF-1717-0006
Aircraft Maintenance Technician, Jet Engine Type Aircraft
AF-1717-0006
Flight Engineer Specialist, Jet Aircraft
AF-1704-0027
Jet Engine Mechanic by Correspondence
AF-1704-0137
Jet Engine Technician
AF-1704-0078
Jet Engine Technician by Correspondence
AF-1704-0189

Journalism
Electronic Journalism
DD-0505-0003

Journalist
Basic Military Journalist
DD-0504-0001
Broadcast Journalist
DD-0504-0001
Information Specialist (Journalist)
DD-0504-0001

Judge
Judge Advocate Staff Officer
AF-1728-0027

JOVIAL
JOVIAL Programming
AF-1402-0013

K-Series
Bomb Navigation Systems Technician (K-Series Computer)
AF-1715-0225
K-Series Computer Technician
AF-1715-0225
K-Series Radar and Interconnection Equipment Technician
AF-1715-0212

K-5 Series
Bomb Navigation Systems Mechanic (K-5 Series)
AF-1715-0268

Korean
Korean
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0021
DD-0602-0025
DD-0602-0028
DD-0602-0033
DD-0602-0034
DD-0602-0035

Laboratory
Alternate Phase II of Medical Laboratory Specialist Course
AF-0702-0006
Apprentice Medical Laboratory Specialist
AF-0702-0005
Clinical Laboratory Officer
AF-0702-0003
Dental Laboratory Specialist
AF-0701-0016
Laboratory Animal Technician
AF-0102-0002
Laboratory Management of Research and Development
AF-1408-0058
Medical Laboratory Specialist, Phase I
AF-0702-0005
Medical Laboratory Specialist, Phase II
AF-0702-0007
Medical Laboratory Technician
AF-0702-0004
Motion Picture Laboratory Specialist
AF-1709-0025
Still Photographic Laboratory Specialist
AF-1709-0018

Language
Defense Language Institute Advanced
DD-0602-0027
Defense Language Institute Aural Comprehension
DD-0602-0015
DD-0602-0016
DD-0602-0017

BEST COPY AVAILABLE

Defense Language Institute Basic
DD-0602-0012
DD-0602-0013
DD-0602-0014
DD-0602-0018
DD-0602-0019
DD-0602-0021
DD-0602-0026
DD-0602-0029
DD-0602-0030
DD-0602-0032

Defense Language Institute Basic (After 1956)
DD-0602-0002

Defense Language Institute Basic (1954–1956)
DD-0602-0001

Defense Language Institute Basic Language
DD-0602-0031

Defense Language Institute Extended
DD-0602-0020

Defense Language Institute Gateway
DD-0602-0028

Defense Language Institute Intermediate
DD-0602-0022
DD-0602-0023
DD-0602-0024
DD-0602-0025

Foreign Language Institute Language Program
DD-0602-0004

Foreign Service Institute Language Program
DD-0602-0003

Foreign Service Institute Language Programs
DD-0602-0005
DD-0602-0006
DD-0602-0007
DD-0602-0008
DD-0602-0009
DD-0602-0010
DD-0602-0011
DD-0602-0045
DD-0602-0046

Foreign Service Institute Language Service Programs
DD-0602-0043

Foreign Service Language Institute Language Programs
DD-0602-0044

Lao

Lao
DD-0602-0009
DD-0602-0045

Launch

Air Launch Guidance Mechanic (AGM-28A/B)
AF-1715-0649

Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458

Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649

Missile Launch Officer (CGM-13B)
AF-1715-0658

Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658

Missile Launch Officer (TM-76B)
AF-1715-0658

Missile Launch Officer, LGM-25
AF-1715-0692

Missile Launch/Missile Officer (ATLAS PGM-16E)
AF-1715-0651

Missile Launch/Missile Officer (ballistic Missiles)
AF-1715-0663

Missile Launch/Missile Officer (LGM-25)
AF-1715-0692

Missile Launch/Missile Officer (SM-65D)
AF-1715-0715

Missile Launch/Missile Officer (SM-65E)
AF-1715-0651

Tactical Missile Launch Specialist (CGM-13B)
AF-1715-0657

Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657

Tactical Missile Launch Specialist (MGM-13A)
AF-1715-0666
AF-1715-0667

Tactical Missile Launch Specialist (TM-76B)
AF-1715-0657

Law

Contract Law
AF-1408-0042

Law Enforcement Specialist by Correspondence
AF-1728-0009

Law Enforcement Supervisor by Correspondence
AF-1728-0010

Leather

Fabric, Leather and Rubber Products Repairman
AF-1716-0001

Legal

Legal Service Specialist
AF-1728-0026

Line

LP11/LP02 Line Printer Maintenance
DD-1715-0007

LP11/LP05 Line Printer Maintenance
DD-1715-0010

Lingala

Lingala
DD-0602-0003

Liquid

Liquid Fuel Systems Maintenance Specialist (Conventional Fuel)
AF-1601-0006

Liquid Fuel Systems Maintenance Specialist (HGM-25)
AF-1601-0032

Liquid Fuel Systems Maintenance Specialist (SM-68A)
AF-1601-0032

Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68
AF-1601-0045

Lithographer

Basic Lithographer
DD-1719-0005

Lithographic

Lithographic Photography
DD-1719-0003

Lithographic Stripping and Platemaking
DD-1719-0001

Lithuanian

Lithuanian
DD-0602-0014

Logistics

Logistics Management
AF-1405-0007

Logistics Officer
AF-1405-0026

Logistics Planner
AF-1405-0039

Logistics Specialist
AF-1405-0003

LBR

Pararescue Advanced Flying Training—LBR
AF-1606-0130

LGM-25

Missile Electronic Equipment Specialist (LGM-25)
AF-1715-0166

Missile Guidance and Control Specialist (LGM-25)
AF-1715-0137

Missile Launch Officer, LGM-25
AF-1715-0692

Missile Launch/Missile Officer (LGM-25)
AF-1715-0692

Missile Pneudraulic Repairman (LGM-25)
AF-1704-0173

Missile Systems Analyst Specialist (LGM-25)
AF-1715-0376

Plumbing System Maintenance (LGM-25)
AF-1710-0001

Mace

Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657

Machine

Data Processing Machine Operator
AF-1402-0019

Data Processing Machine Supervisor
AF-1402-0036

Data Processing Machine Supervisor (Punched Card)
AF-1402-0036

Machine Accounting Supervisor
AF-1402-0036

Machinist

Machinist
AF-1723-0001
AF-1723-0002

Maintainability

Reliability Maintainability
AF-1115-0003

Maintenance

A/E24U-8 Power Plant Intermediate and Organizational (I & O) Maintenance
AF-1704-0143

Air Force Base Level Maintenance Management
AF-1717-0025

Aircraft and Missile Maintenance Analysis Specialist
AF-1115-0001

Aircraft/Avionics Maintenance Staff Officer
AF-1408-0049

AN/MRC-107A, I/O Maintenance
AF-1715-0072

Computer Maintenance Officer
AF-1402-0031

Consolidated Maintenance Management (ADC)
AF-1717-0011

BEST COPY AVAILABLE

Flight Facilities Equipment Basic O/I Maintenance
AF-1715-0002
Ground C-E-M Maintenance Analysis Technician
AF-1113-0001
Liquid Fuel Systems Maintenance Specialist (HGM-25)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist (SM-68A)
AF-1601-0032
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68
AF-1601-0045
Maintenance and Control Specialist
AF-1717-0009
Maintenance Analysis
AF-1408-0006
Maintenance Analysis Specialist
AF-1115-0001
Maintenance Analysis Technician
AF-0306-0001
Maintenance Engineering Production Analysis
AF-1408-0006
AF-1408-0007
Maintenance Management
AF-1717-0023
Maintenance Management and Information Systems
AF-1408-0013
Maintenance Scheduling Specialist
AF-1408-0032
Motor Vehicle Maintenance Management
AF-0419-0019
Pavements Maintenance Specialist
AF-1710-0007
Special Weapons Maintenance Technician
AF-1715-0150
AF-1715-0151
AF-1715-0152
Vehicle Maintenance Technician
AF-1703-0010

Malay
Indonesian-Malay
DD-0602-0012
Malay
DD-0602-0009
DD-0602-0012

Management
Administration Management and Executive Support Officer
AF-1408-0067
Administration Management Specialist by Correspondence
AF-1403-0002
Administration Management/Executive Support
AF-1408-0067
Advanced Production Management
AF-1408-0014
Air Force Base Level Maintenance Management
AF-1717-0025
Aircraft Maintenance Management Officer
AF-1717-0002
Automated Information Systems Management for Intermediate Executives
DD-1402-0003
Automated Information Systems Management for Intermediate Managers
DD-1402-0003
Automated Systems Analyst (Management Support Systems)
AF-1402-0064
AF-1402-0066
Automated Systems Program Designer (Management Support Systems)
AF-1402-0010
Automated Systems Programming Technician (Management Support Systems)
AF-1402-0002
Automotive Shop Management
AF-1405-0049
AMA/Directorate of Materiel Management
AF-1405-0027
Base Supply Management
AF-1405-0001
Chief of Supply Management
AF-1405-0040
Consolidated Maintenance Management (ADC)
AF-1717-0011
Contract Management
AF-1408-0037
Contract Management Officer
AF-1408-0051
AF-1408-0052
Defense Equal Opportunity Management Institute
DD-1512-0001
Defense Equal Opportunity Management Institute Nonresident/Resident
DD-1512-0002
Defense Management Systems
DD-1408-0005
Defense Packaging Management Training
DD-0419-0005
Defense Security Assistance Management Core
DD-1408-0001
Defense Security Assistance Management Overseas
DD-0327-0001
Defense Weapons Systems Management
AF-1408-0011
Disposal Management
AF-1405-0056
Financial Management Specialist by Correspondence
AF-1408-0053
Financial Management Supervisor by Correspondence
AF-1408-0038
Industry Financial Management
DD-1408-0003
Information Security Management
DD-1728-0002
Inventory Management Specialist by Correspondence
AF-1405-0051
Inventory Management Supervisor
AF-1405-0011
Inventory Management Supervisor by Correspondence
AF-1405-0059
KT11-C Memory Management
DD-1715-0014
Laboratory Management of Research and Development
AF-1408-0058
Logistics Management
AF-1405-0007
Maintenance Management
AF-1717-0023
Maintenance Management and Information Systems
AF-1408-0013
Management Analysis Officer
AF-1408-0063
Management Analysis Specialist
AF-1408-0009
Management Analysis Technician
AF-1408-0009
Management Engineering Officer
AF-1115-0007
Management Engineering Specialist
AF-1408-0012
Management Technician
AF-1406-0004
Management/Supervision of a Data Processing Installation (DPI)
AF-1402-0038
Manpower Management Officer
AF-1406-0035
Manpower Management Technician
AF-1406-0004
Motor Vehicle Maintenance Management
AF-0419-0019
Motor Vehicle Management Officer
AF-1405-0019
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001
National Security Management (Correspondence/Nonresident/Seminar Course of the National Defense University)
DD-1511-0001
Nursing Service Management
AF-0703-0006
Open Mess Management
AF-1729-0007
Production Management
AF-1408-0059
Production Management II
AF-1408-0014
Professional Personnel Management
AF-1406-0033
Program Management
DD-1408-0002
Program Management for Contract Administration
DD-1408-0004
Program Management for Functional Managers
DD-1408-0004
Propulsion Shop Management
AF-1717-0001
System Program Management
AF-1408-0060
Traffic Management and Accident Investigation
AF-1728-0004

Manager
Broadcast Manager
DD-0505-0002

Manpower
Major Command (MAJCOM) Manpower Procedures
AF-1406-0032
Manpower Management Officer
AF-1406-0035
Manpower Management Technician
AF-1406-0004

Map
Map Compilation
DD-1713-0001

BEST COPY AVAILABLE

Mapping
Defense Mapping School Instructor
DD-1406-0001
Mapping, Charting, and Geodesy Officer
DD-1601-0007
Mapping, Charting, and Geodesy Senior Officer
DD-1601-0017

Marksmanship
Marksmanship Instructor
AF-2203-0001

Master
Master Crew Chief
AF-1704-0070

Materiel
Accounting and Finance Automated Materiel System
AF-1401-0016
Apprentice Medical Materiel Specialist
AF-0709-0009
AMA/Directorate of Materiel Management
AF-1405-0027
Materiel Facilities Specialist by Correspondence
AF-1405-0013
Materiel Facilities Supervisor by Correspondence
AF-1405-0033
Medical Materiel Specialist
AF-0709-0009
Medical Materiel Supervisor
AF-1405-0045
Medical Materiel Supervisor (B-3500)
AF-1405-0045

Measurement
Advanced Microwave Measurement and Calibration
AF-1715-0181
Nuclear Measurement Technician
AF-1715-0163

Measurements
Advanced Electrical-Electronics Measurements
AF-1715-0168
Advanced Microwave Measurements and Calibration
AF-1715-0549

Measuring
Precision Measuring Equipment Specialist
AF-1715-0032
Precision Measuring Equipment Specialist (Electronics)
AF-1715-0033
Precision Measuring Equipment Technician
AF-1715-0032
Precision Physical Measuring Technician
AF-1721-0007

Mechanic
AN/APQ-24A System Mechanic
AF-1715-0428

Medical
Alternate Phase II of Medical Laboratory Specialist Course
AF-0702-0006
Apprentice Medical Administrative Specialist
AF-0799-0004
Apprentice Medical Administrative Specialist by Correspondence
AF-0709-0028
Apprentice Medical Equipment Repairman
AF-1715-0001
Apprentice Medical Laboratory Specialist
AF-0702-0005
Apprentice Medical Materiel Specialist
AF-0709-0009
Apprentice Medical Service Specialist
AF-0709-0015
Basic Course in Medical Administration
AF-0799-0005
Basic Course in Medical Service Administration
AF-0799-0005
Basic Orientation Course for Officers of the Medical Service
AF-1408-0040
Medical Administrative Specialist
AF-0799-0004
Medical Administrative Specialist by Correspondence
AF-0709-0027
Medical Administrative Supervisor
AF-1408-0033
Medical Aspects of Food Handling
AF-0709-0018
Medical Equipment Repairman
AF-1715-0001
Medical Laboratory Specialist, Phase I
AF-0702-0005
Medical Laboratory Specialist, Phase II
AF-0702-0007
Medical Laboratory Technician
AF-0702-0004
Medical Materiel Specialist
AF-0709-0009
Medical Materiel Supervisor
AF-1405-0045
Medical Materiel Supervisor (B-3500)
AF-1405-0045
Medical Officer Flight Familiarization Training (T-33)
AF-1606-0127
Medical Officer Flight Familiarization Training (T-37)
AF-1606-0127
Medical Service Fundamentals
AF-0703-0007
Medical Service Specialist
AF-0709-0015
Medical Service Specialist by Correspondence
AF-0703-0012
Medical Service Technician
AF-0709-0023
Medical Service Technician by Correspondence
AF-0703-0011
Medical Supply Officer
AF-1405-0006

Medicine
Apprentice Preventive Medicine Specialist
AF-0707-0005
Global Medicine
AF-0799-0001
Preventive Medicine Specialist
AF-0707-0005
Preventive Medicine Technician
AF-0707-0004

Memory
KT11-C Memory Management
DD-1715-0014

Mess
Open Mess Management
AF-1729-0007

Meteorological
Advanced Meteorological Applications
AF-1304-0009
Airborne Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman
AF-1715-0453

Microwave
Advanced Microwave Measurement and Calibration
AF-1715-0181
Advanced Microwave Measurements and Calibration
AF-1715-0549
Radio Relay Equipment Repairman (Microwave and Associated Relay Center Equipment)
AF-1715-0085
Radio Relay Equipment Repairman (Microwave)
AF-1715-0085

Midwifery
Nurse-Midwifery Residency
AF-0703-0002

Military
Basic Military Journalist
DD-0504-0001
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001
Military Training Instructor
AF-1512-0002

Missile
Air Launch Missile Checkout Equipment Repairman (AGM-28A/B)
AF-1715-0458
Air Launch Missile Guidance Mechanic (AGM-28A/B)
AF-1715-0649
Air Launched Missile Safety Officer
AF-0802-0009
Air Launched Missile Safety Technician
AF-0802-0011
Aircraft and Missile Electrical Repair Technician
AF-1704-0165
Aircraft and Missile Ground Support Equipment Repair
AF-1717-0012
Aircraft and Missile Maintenance Analysis Specialist
AF-1115-0001
Ballistic Missile Analyst Specialist, SM-80
AF-1715-0344
Ballistic Missile Analyst Specialist, WS-133A
AF-1715-0344
Ballistic Missile Analyst Speicialist, WS-133A
AF-1715-0345
Ballistic Missile Check-Out Equipment Specialist, SM-80
AF-1715-0299
Ballistic Missile Check-Out Equipment Specialist, WS-133A
AF-1715-0299
Ballistic Missile Checkout Equipment Specialist, WS-133B
AF-1715-0108
Ballistic Missile Safety
AF-0802-0008
Defense Missile Guidance Mechanic (GARS)
AF-1715-0635

DOCUMENT AVAILABLE

Defense Missile Guidance Mechanic—Falcon (AIM)
AF-1715-0635
Defense Missile Guidance Mechanic, IM-99B
AF-1715-0308
Defense Missile Guidance Technician (GAR-1/2/11)
AF-1715-0650
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Guidance Systems Mechanic (Ballistic Missile Inertial)
AF-1715-0327
Guided Missile Maintenance Officer TM-76A
AF-1715-0647
Guided Missile Operations Officer (TM-76A)
AF-1715-0133
Guided Missile Operations Officer (TM-76B)
AF-1715-0658
Guided Missile Operations/Maintenance Officer (Ballistic Missiles)
AF-1715-0663
Missile Control Communications Systems Repairman
AF-1715-0713
Missile Electronic Equipment Specialist (AGM-28A/B)
AF-1715-0458
Missile Electronic Equipment Specialist (CGM-13B, TEMS)
AF-1715-0641
Missile Electronic Equipment Specialist (LGM-25)
AF-1715-0166
Missile Electronic Equipment Specialist, WS-133A
AF-1715-0456
Missile Electronic Equipment Specialist, WS-133A-M
AF-1715-0711
Missile Electronic Equipment Specialist, WS-133B
AF-1715-0461
Missile Electronic Equipment Technician WS-133(CDB)
AF-1715-0714
Missile Facilities Specialist
AF-1715-0637
Missile Guidance and Control Specialist (AGM-28)
AF-1715-0649
Missile Guidance and Control Specialist (AGM-28A/B)
AF-1715-0649
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712
Missile Guidance and Control Specialist (AIM)
AF-1715-0671
Missile Guidance and Control Specialist (AIM) (ADC)
AF-1715-0671
Missile Guidance and Control Specialist (CGM-13B, GEMS)
AF-1715-0477
Missile Guidance and Control Specialist (CGM-13B, GSC)
AF-1715-0481
Missile Guidance and Control Specialist (LGM-25)
AF-1715-0137
Missile Launch Officer (CGM-13B)
AF-1715-0658
Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658
Missile Launch Officer (TM-76B)
AF-1715-0658
Missile Launch Officer, LGM-25
AF-1715-0692
Missile Launch/Missile Officer (ATLAS PGM-16E)
AF-1715-0651
Missile Launch/Missile Officer (Ballistic Missiles)
AF-1715-0663
Missile Launch/Missile Officer (LGM-25)
AF-1715-0692
Missile Launch/Missile Officer (SM-65D)
AF-1715-0715
Missile Launch/Missile Officer (SM-65E)
AF-1715-0651
Missile Maintenance Officer TM-76B
AF-1715-0638
Missile Mechanic (AGM-28A/B)
AF-1715-0693
Missile Mechanic (GAM-77)
AF-1715-0693
Missile Mechanic (TM-61A/C)
AF-1715-0642
Missile Officer TM-76A
AF-1715-0647
Missile Officer TM-76B
AF-1715-0658
Missile Officer, SM-80
AF-1717-0015
Missile Officer, WS-133A
AF-1717-0015
AF-1717-0016
AF-1717-0017
Missile Officer, WS-133A-M
AF-1717-0019
Missile Officer, WS-133B
AF-1715-0343
AF-1717-0018
Missile Pneudraulic Repairman (LGM-25)
AF-1704-0173
Missile Safety Technician
AF-0802-0007
Missile Specialist (TM-61C)
AF-1715-0642
Missile Systems Analyst Specialist (LGM-25)
AF-1715-0376
Missile Systems Analyst Specialist (TM-76B)
AF-1715-0668
Missile Systems Analyst Specialist, WS-133A
AF-1715-0344
AF-1715-0345
Missile Systems Analyst Specialist, WS-133A-M
AF-1715-0452
Missile Systems Maintenance Specialist (AGM-28)
AF-1715-0649
Missile Test Equipment Specialist (TM-76A)
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (CGM-13B TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS)
AF-1715-0646
Tactical Missile Control Mechanic (TM-76A/B)
AF-1715-0162
Tactical Missile Guidance Mechanic (CGM-13B)
AF-1715-0481
Tactical Missile Guidance Mechanic (CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, CGM-13B/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, MGM-13C)
AF-1715-0481
Tactical Missile Guidance Mechanic (MGM-13A)
AF-1715-0484
Tactical Missile Guidance Mechanic (TM-76B, GSC)
AF-1715-0481
Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS)
AF-1715-0481
Tactical Missile Launch Specialist (CGM-13B)
AF-1715-0657
Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657
Tactical Missile Launch Specialist (MGM-13A)
AF-1715-0666
AF-1715-0667
Tactical Missile Launch Specialist (TM-76B)
AF-1715-0657

Mission
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids)
AF-1715-0609

Motion
Motion Picture Laboratory Specialist
AF-1709-0025

Motor
Motor Vehicle Maintenance Management
AF-0419-0019
Motor Vehicle Maintenance Officer
AF-1405-0019
Motor Vehicle Management Officer
AF-1405-0019

Multi-Media
Multi-Media Teaching System (Development)
AF-1406-0028

Multilith
Multilith 1250 Repair
DD-1706-0001

Multiplexer
Maintenance of the TD 1220/G

Multiplexer-Demultiplexer
DD-1715-0002
Operation, Maintenance,and Repair of the TD 1220/G and TD 1246/G Multiplexer-Demultiplexer
DD-1715-0002

Multiplexer-Demultiplexer
Maintenance of the TD 1220/G Multiplexer-Demultiplexer
DD-1715-0002
Operation, Maintenance,and Repair of the TD 1220/G and TD 1246/G Multiplexer-Demultiplexer
DD-1715-0002

Munitions
Aerospace Munitions Officer
AF-1715-0545
Aerospace Munitions Staff Officer
AF-1717-0024
Ammunition Officer (Munitions)
AF-1405-0047

MA-1
Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
AF-1715-0375
Weapons Control Systems Mechanic (MA-1 System)
AF-1715-0375
Weapons Control Systems Mechanic (MA-1 Systems)
AF-1715-0375
Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems)
AF-1715-0375

MA-2
Bomb Navigation Systems Mechanic (MA-2 System)
AF-1715-0483

MA-6A
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
AF-1715-0212

MA-6A/7A
Navigator Bombardier Training (MA-6A/7A)
AF-1606-0106

MA-7
Fire Control Systems Mechanic (MA-7 System)
AF-1715-0688

MA-7A
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212

MA-8
Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464
Offensive Fire Control Systems Mechanic (MA-8 System)
AF-1715-0464

MACE
Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658
Tactical Missile Guidance Mechanic (MACE, CGM-13E/GEMS)
AF-1715-0477
Tactical Missile Guidance Mechanic (MACE, MGM-13C)
AF-1715-0481

MAJCOM
Major Command (MAJCOM) Manpower Procedures
AF-1406-0032

MD-7
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)
AF-1715-0540

MD-9
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482

MET/ARE
Airborne Meteorological/Atmospheric Research Equipment (MET/ARE) Repairman
AF-1715-0453

MG-10
Fire Control Systems Mechanic (MG-10 Series Data Flow Specialist)
AF-1715-0708
Fire Control Systems Mechanic, MG-10 Radar
AF-1715-0258
Weapons Control Systems Mechanic (MG-10/13 Systems)
AF-1715-0546
Weapons Control Systems Mechanic (MG-10, 13 Systems)
AF-1715-0546
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272

MG-12
Weapons Control Systems Mechanic (E-9, MG-12 Systems)
AF-1715-0689
AF-1715-0690
Weapons Control Systems Mechanic (MG-12 System)
AF-1715-0690

MG-12/13
Radar Intercept Officer Training (MG-12/13)
AF-1606-0045

MG-13
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272
Weapons Control Systems Technician (MG-13 Data Flow)
AF-1715-0699

MG-3
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272
Weapons Control Systems Mechanic (MG-3, 10, 13 Systems)
AF-1715-0546

MGM-13A
Tactical Missile Guidance Mechanic (MGM-13A)
AF-1715-0484
Tactical Missile Launch Specialist (MGM-13A)
AF-1715-0666
AF-1715-0667

MGM-13B
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646

MGM-13C
Missile Launch Officer (MACE, MGM-13C)
AF-1715-0658
Tactical Missile Guidance Mechanic (MACE, MGM-13C)
AF-1715-0481
Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657

MUX/DEMUX
TD 1220/G MUX/DEMUX Maintenance
DD-1715-0002

National
National Communications Security (COMSEC)
DD-1404-0004

BEST COPY AVAILABLE

National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001
National Security Management (Correspondence/Nonresident/Seminar Course of the National Defense University)
DD-1511-0001
National Senior Cryptologic
DD-1404-0003
National War College
DD-1511-0002
Reserve Components National Security Seminar
DD-1511-0006

Navigation
Aircraft Electronic Navigation Equipment Maintenance Technician
AF-1715-0510
Aircraft Electronic Navigation Equipment Technician
AF-1715-0510
Aircraft Inertial and Radar Navigation Systems Repairman
AF-1715-0027
Aircraft Inertial and Radar Navigation Systems Repairman (RF-4C Supplement)
AF-1715-0022
Avionic Inertial and Radar Navigation Systems Specialist
AF-1715-0027
Avionic Inertial and Radar Navigation Systems Specialist by Correspondence
AF-1715-0442
Bomb Navigation System Mechanic (ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52C/D: ASB-15 System)
AF-1715-0485
Bomb Navigation System Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256
Bomb Navigation Systems Mechanic (ASB-4 System)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4/4A/9/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (B-52C/D: ASB-15 System
AF-1715-0485
Bomb Navigation Systems Mechanic (B-52E, F, G, H; ASB-4A/9A/16 Systems)
AF-1715-0483
Bomb Navigation Systems Mechanic (FB-111)
AF-1715-0006
Bomb Navigation Systems Mechanic (K-5 Series)
AF-1715-0268
Bomb Navigation Systems Mechanic (MA-2 System)
AF-1715-0483
Bomb Navigation Systems Mechanic (MA-6A and MA-7A Systems)
AF-1715-0267
Bomb Navigation Systems Technician (E-Series Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A and MA-7A Computer and Stab and Optics)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Computer)
AF-1715-0225
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
AF-1715-0212
F-111A Computer/Navigation Test Station Technician
AF-1402-0024
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Navigation and Bombing Trainer Specialist (AN/APQ-T3)
AF-1715-0274
Navigation/Bombing Trainer and Flight Simulator Tactics Specialist
AF-1715-0455
Navigation/Bombing/Tactics Trainer Specialist
AF-1715-0455
Special Training on Radar Bombing Navigation System, AN/APQ-24A
AF-1715-0617

Navigational
Aircraft Radio Repairman (Navigational)
AF-1715-0069

Navigations
Communications/Navigations Technician by Correspondence
AF-1715-0116

Navigator
Advanced Navigator Radar Bombardment Training
AF-1606-0106
Advanced Navigator Reconnaissance Bombardment
AF-1606-0106
ATC Instructor Training (Navigator)
AF-1406-0039
Navigator Bombardier AN/ASQ-38(V)
AF-1606-0080
Navigator Bombardier System Training (FB-111)
AF-1606-0146
Navigator Bombardier Training
AF-1606-0106
Navigator Bombardier Training (ASQ-38)
AF-1606-0080
Navigator Bombardier Training (MA-6A/7A)
AF-1606-0106
Navigator Bombardier Upgrade Training (FB-111)
AF-1606-0084
Navigator Instructor Training
AF-1406-0039
Navigator Radar Intercept
AF-1606-0045
Navigator Reconnaissance Upgrading Training (RF-4C)
AF-1606-0090
Navigator, ECM
AF-1715-0529
Primary-Basic Navigator Training
AF-1606-0145
Primary-Basic Navigator Upgrading
AF-1715-0621
Undergraduate Navigator Training
AF-1606-0145

Nepali
Nepali
DD-0602-0009
DD-0602-0045

Newspaper
Newspaper Editor
DD-0504-0003

Non-Destructive
Non-Destructive Inspection (T/A 455)
AF-1724-0004
Non-Destructive Inspection Specialist
AF-1724-0003
Non-Destructive Testing
AF-1724-0002
Non-Destructive Testing of Aircraft and Related Equipment Components
AF-1724-0002

Noncommissioned
Senior Noncommissioned Officer (NCO) Academy
AF-2203-0009

Nonresident
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Air War College Nonresident Seminar Program
AF-1511-0004
Associate Air War College Nonresident Seminar Program
AF-1511-0004
Defense Equal Opportunity Management Institute Nonresident/Resident
DD-1512-0002
National Security Management (Correspondence/Nonresident/Seminar Course of the National Defense University)
DD-1511-0001

Norwegian
Norwegian
DD-0602-0001
DD-0602-0002
DD-0602-0006
DD-0602-0011
DD-0602-0029

BEST COPY AVAILABLE

Nuclear
Nuclear Measurement Technician
AF-1715-0163
Nuclear Technician
AF-1715-0167
Nuclear Weapons Officer
AF-1715-0545

Nurse
Flight Nurse
AF-0703-0008
Nurse Anesthetist
AF-0703-0013
Nurse-Midwifery Residency
AF-0703-0002
Pediatrics Nurse Practitioner
AF-0703-0009

Nursing
Nursing Service Administration
AF-0703-0003
Nursing Service Management
AF-0703-0006

NAV/PILOT
F-111A Weapons System Training (NAV/PILOT)
AF-1606-0117

NCMC
NCMC Computer Programmer
AF-1402-0006

NCO
Air Force Noncommissioned Officer (NCO)
AF-1728-0001
Civil Engineer Skills for Noncommissioned Officers (NCO)
DD-1404-0005
Senior Noncommissioned Officer (NCO) Academy
AF-2203-0005
Senior NCO Academy
AF-2203-0006

Observer
Advanced Observer Reconnaissance Bombardment
AF-1606-0106
Aircraft Observer Technical Upgrading
AF-1606-0131
Aircraft Observer Training—Pilot
AF-1606-0030
Basic Observer Electronic Countermeasures
AF-1715-0564
Instructor Training for Aircraft Observer
AF-1406-0039
Primary Basic Observer Cadet
AF-1606-0034
Primary Basic Observer Upgrading
AF-1606-0033
Weather Chief Observer
AF-1408-0043
Weather Observer
AF-1304-0001
Weather Observer Technician
AF-1304-0008

Offensive
Offensive Fire Control Systems Mechanic (MA-1 System)
AF-1715-0464

Officer
Officer Candidate School
AF-2203-0040
USAF Officer Candidate School
AF-2203-0040

Offset
Offset Duplicating
DD-1719-0004
Offset Duplicating Equipment Operator
DD-1719-0004
Offset Printing
DD-1719-0002

Open
Open Mess Management
AF-1729-0007

Operating
Operating Room Specialist
AF-0709-0010
Operating Room Supervisor
AF-0703-0005

Operations
Air Passenger and Operations Specialist
AF-0419-0002

Ophthalmology
Ophthalmology Surgical Technician
AF-0706-0001

Optical
Optical Survey Instrument Repair
DD-1721-0001

Optometry
Optometry Specialist
AF-0706-0002

Orderly
Unit Orderly Room Administration Specialist by Correspondence
AF-1403-0004

Orientation
Basic Orientation Course for Officers of the Medical Service
AF-1408-0040

Outside
Outside Wire and Antenna Maintenance Repairman
AF-1714-0015
Outside Wire and Antenna System Installation and Maintenance Specialist
AF-1714-0015

OTS
OTS Instructor Training
AF-1406-0027

Packaging
Defense Packaging of Hazardous Materials for Transportation
DD-0419-0003
Defense Packaging Management Training
DD-0419-0005

Packing
Defense Basic Preservation and Packing
DD-0419-0006
Defense Packing and Unitization
DD-0419-0002

Paper
PC11/PC05 Paper Tape Unit Maintenance
DD-1715-0009

Pararescue
Pararescue Advanced Flying Training—UBR
AF-1606-0130

Pararescueman
Basic Pararescueman
AF-0708-0026

Passenger
Air Passenger and Operations Specialist
AF-0419-0002
Air Passenger Specialist
AF-0419-0002
Air Passenger Specialist (Reserve)
AF-0419-0022
Air Passenger Specialistby Correspondence
AF-0419-0021
Passenger and Household Goods Specialist
AF-0419-0025
Passenger Traffic Specialist
AF-0419-0025

Passive
Passive Defense Instructor
AF-0802-0004

Pavements
Pavements Maintenance Specialist
AF-1710-0007

Pediatrics
Pediatrics Nurse Practitioner
AF-0703-0009

Penetration
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids)
AF-1715-0609

Persian
Dari Afghan-Persian
DD-0602-0009
Persian
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0026
DD-0602-0033
DD-0602-0034
DD-0602-0044

Personnel
Advanced Personnel Officer
AF-1408-0028
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
Base Level Military Personnel System (BLMPS), Phase II
AF-1402-0060
Personnel Officer
AF-1406-0036
Personnel Services Officer
AF-1408-0023
Personnel Specialist
AF-1408-0005
Personnel Specialist by Correspondence
AF-1406-0044
Personnel Staff Officer
AF-1406-0031
Personnel Technician
AF-1406-0030
Personnel Technician by Correspondence
AF-1406-0043
Professional Personnel Management
AF-1406-0033

Pest
Disease Vector and Pest Control Technology
AF-0101-0001
Pest Control (SEA)
AF-0101-0004

Pharmacy
Apprentice Pharmacy Specialist
AF-0709-0014
Pharmacy Specialist
AF-0709-0014

Pharmacy Technician
AF-0709-0003

Phase II
Veterinary Specialist Phase II
AF-0102-0003

Photo
Advanced Aerospace Photo Intelligence
AF-1606-0047
Intelligence Photo-Radar Officer
AF-1709-0017
AF-1709-0021
Photo Interpretation Specialist
AF-1606-0050

Photogrammetric
Advanced Photogrammetric Cartographic
AF-1709-0013
Advanced Photogrammetric Cartographic Techniques
DD-1601-0005
Analytical Photogrammetric Positioning System
DD-1601-0015
Basic Photogrammetric Cartographic Techniques
DD-1601-0001
Photogrammetric Compilation
DD-1601-0009
Photogrammetric-Cartographic Technician
AF-1709-0013

Photographer
Aerial Photographer
AF-1709-0005
Combat Still Photographer, Operator
AF-1709-0002
Photographer
AF-1709-0010
Still Photographer
AF-1709-0010

Photographic
Aerospace Photographic Systems Repairman
AF-1715-0291
Integrated Avionics System Specialist (Inertial/Bomb Navigation, Fire/Weapon Control, Digital Computers, Airborne Photographic Systems, and Multi-Sensor Displays)
AF-1715-0210
Intelligence Precision Photographic Officer
AF-1606-0056
Photographic Intelligenceman
AF-1606-0059
Photographic Repairman
AF-1715-0291
Precision Photographic Processing Control
AF-1709-0001
Precision Photographic Processing Control Technician
AF-1709-0001
Precision Photographic Processing Specialist
AF-1709-0022
AF-1709-0023
Precision Photographic Processing Technician
AF-1709-0001
Precision Photographic Processing Techniques
AF-1709-0024
Precision Photographic Services Officer
AF-1709-0006
Precision Photographic Systems Repairman
AF-1715-0028
Still Photographic Camera Specialist
AF-1709-0020
Still Photographic Laboratory Specialist
AF-1709-0018
Still Photographic Officer
AF-1709-0026

Photography
Lithographic Photography
DD-1719-0003

Photojournalism
Intermediate Photojournalism
DD-1709-0001
Still Photojournalism
AF-1709-0004

Photomapping
Photomapping
AF-1601-0026

Photoprocessing
Precision Photoprocessing Specialist
AF-1709-0022
AF-1709-0023

Physical
Physical Therapy Specialist
AF-0704-0002
Physical Therapy Technician
AF-0704-0001

Physiological
Apprentice Physiological Training Specialist
AF-0709-0016
Physiological Training Officer
AF-0709-0017
Physiological Training Specialist
AF-0709-0016
Physiological Training Supervisor
AF-0709-0022

Picture
Motion Picture Laboratory Specialist
AF-1709-0025
Sound and Picture Editing Specialist
AF-1709-0011

Pilot
Advanced Helicopter Pilot Training
AF-1606-0036
Advanced Helicopter Pilot Training (H-1/H-3/H-43/H-53)
AF-1606-0131
Aircraft Observer Training—Pilot
AF-1606-0030
Army Primary Pilot Training
AF-1606-0143
C-5 Pilot
AF-1606-0023
H-1 Helicopter Pilot
AF-1606-0131
Helicopter Instructor Pilot (H-1, H-1N, H-1F, CH-3, CH-53, HH-53)
AF-1606-0066
Helicopter Instructor Pilot Training
AF-1606-0063
Helicopter Pilot Transition Training (TH-1)
AF-1606-0091
Instrument Pilot Instructor (Helicopter)
AF-1406-0029
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Instrument Pilot Instructor Training (T-39)
AF-1606-0011
Pilot Advanced Flying
AF-1606-0065
Pilot Advanced Flying (H-3) Basic
AF-1606-0036
Pilot Advanced Flying (H-53) Basic
AF-1606-0036
Pilot Advanced Flying (HH-3E) ARRS
AF-1606-0036
Pilot Advanced Flying (HH-43) ARRS
AF-1606-0128
Pilot Advanced Flying (HH-53) ARRS
AF-1606-0076
Pilot Advanced Flying (TH-1F) Basic
AF-1606-0138
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139
Pilot Advanced Flying (UH-1N) Basic
AF-1606-0140
Pilot Instructor Training (T-37)
AF-1406-0021
Pilot Instructor Training (T-38)
AF-1406-0010
Pilot Instructor Training (T-41)
AF-1406-0011
Primary Pilot Training (PA-18/T-6)
AF-1606-0110
Primary Pilot Training (T-34/T-28)
AF-1606-0110
Undergraduate Pilot Training (T-37/T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022
Undergraduate Pilot Training (T-41, Interim)
AF-1606-0003

Pilotless
Pilotless Aircraft Guidance and Control Officer
AF-1715-0648

Pilots
Special Operations Training, AC-130E Pilots
AF-1606-0020

Planner
Logistics Planner
AF-1405-0039

Platemaking
Lithographic Stripping and Platemaking
DD-1719-0001

Plumber
Plumber
AF-1710-0002
Plumber/Plumbing Supervisor (SM-68B)
AF-1710-0001

Plumbing
Plumber/Plumbing Supervisor (SM-68B)
AF-1710-0001
Plumbing System Maintenance (LGM-25)
AF-1710-0001

Pneudraulic
Missile Pneudraulic Repairman (LGM-25)
AF-1704-0153

Police
Air Police (Basic)
AF-1728-0019
Air Police Noncommissioned Officer (NCO)
AF-1728-0001
Air Police Officer
AF-1728-0018
Air Police Supervisor
AF-1728-0001
Air Policeman
AF-1728-0019
Air Policeman (Basic Air Police)
AF-1728-0019
Police Administration
AF-1728-0016
Security Police Administration
AF-1728-0016
Security Police Officer
AF-1728-0018
Security Police Staff Officer
AF-1728-0007
Security Police Supervisor
AF-1728-0028
Security Policeman
AF-1728-0019

Policeman
Air Policeman
AF-1728-0019
Air Policeman (Basic Air Police)
AF-1728-0019
Security Policeman
AF-1728-0019

Polish
Polish
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0019
DD-0602-0022
DD-0602-0033
DD-0602-0036
DD-0602-0044

Portuguese
Portuguese
DD-0602-0001
DD-0602-0002
DD-0602-0003
DD-0602-0006
DD-0602-0008
DD-0602-0018
DD-0602-0033
DD-0602-0034
DD-0602-0039

Postgraduate
Postgraduate Intelligence Course
DD-1511-0004

Power
A/E24U-8 Power Plant Intermediate and Organizational (I & O) Maintenance
AF-1704-0143
Electrical Power Production Operator
AF-1712-0005
Electrical Power Production Specialist
AF-1712-0005
Electrical Power Production Technician
AF-1715-0579

Precision
Precision Measuring Equipment Specialist
AF-1715-0032
Precision Measuring Equipment Specialist (Electronics)
AF-1715-0033
Precision Measuring Equipment Technician
AF-1715-0032
Precision Photographic Processing Control
AF-1709-0001
Precision Photographic Processing Control Technician
AF-1709-0001
Precision Photographic Processing Specialist
AF-1709-0022
AF-1709-0023
Precision Photographic Processing Technician
AF-1709-0001
Precision Photographic Processing Techniques
AF-1709-0024
Precision Photographic Services Officer
AF-1709-0006
Precision Photographic Systems Repairman
AF-1715-0028
Precision Photoprocessing Specialist
AF-1709-0022
AF-1709-0023
Precision Physical Measuring Technician
AF-1721-0007

Preparedness
Disaster Preparedness Specialist
AF-0802-0001
AF-0802-0002
Disaster Preparedness Specialist (Additional Duty)
AF-0802-0001
Disaster Preparedness Specialist (Remote Duty)
AF-0802-0001

Preservation
Defense Basic Preservation and Packing
DD-0419-0004
Defense Preservation and Intermediate Protection
DD-0419-0001

Preventive
Apprentice Preventive Medicine Specialist
AF-0707-0005
Preventive Dentistry Specialist
AF-0701-0008
Preventive Medicine Specialist
AF-0707-0005
Preventive Medicine Technician
AF-0707-0004

Pricing
Defense Advance Procurement Pricing
AF-1408-0008
Defense Contract Pricing Techniques
AF-1408-0003
Quantitative Methods for Advanced Procurement Pricing
AF-1408-0010

Primary
Army Primary Pilot Training
AF-1606-0143
Primary Pilot Training (PA-18/T-6)
AF-1606-0110
Primary Pilot Training (T/34/T-28)
AF-1606-0110
Primary-Basic Navigator Training
AF-1606-0145
Primary-Basic Navigator Upgrading
AF-1715-0621

Printer
LP11/LP02 Line Printer Maintenance
DD-1715-0007
LP11/LP05 Line Printer Maintenance
DD-1715-0010

Printing
Offset Printing
DD-1719-0002

Processing
Precision Photographic Processing Control
AF-1709-0001
Precision Photographic Processing Control Technician
AF-1709-0001
Precision Photographic Processing Specialist
AF-1709-0022
AF-1709-0023
Precision Photographic Processing Technician
AF-1709-0001
Precision Photographic Processing Techniques
AF-1709-0024

Processor
PDP-11/40 Processor Maintenance
DD-1715-0012
PDP-11/45 Processor Maintenance
DD-1715-0013

Procurement
Advanced Base Procurement Management
AF-1405-0029
Base Procurement Officer
AF-1405-0014
AF-1405-0038
Central Procurement Officer
AF-1405-0015
AF-1405-0032
Defense Advance Procurement Pricing
AF-1408-0008
Procurement and Production Officer Fundamentals
AF-1408-0057
Procurement Officer
AF-1405-0048
AF-1405-0055
Procurement Specialist
AF-1405-0020
AF-1408-0069
Procurement Supervisor
AF-1408-0034
Quantitative Methods for Advanced Procurement Pricing
AF-1408-0010
Research and Development Procurement Officer
AF-1405-0036
AF-1405-0043
Systems Procurement Officer
AF-1405-0016
AF-1405-0017
AF-1405-0037

Production
Advanced Production Management
AF-1408-0014
Maintenance Engineering Production Analysis
AF-1408-0006
AF-1408-0007
Procurement and Production Officer Fundamentals
AF-1408-0057

Production Control
AF-1601-0001
Production Management
AF-1408-0059
Production Management II
AF-1408-0014
Television Production Specialist
AF-0505-0001

Professional
Professional Military Comptroller
AF-1408-0004
Professional Personnel Management
AF-1406-0033

Program
Automated Systems Program Designer
AF-1402-0010
AF-1402-0044
Automated Systems Program Designer (Management Support Systems)
AF-1402-0010
Program Management
DD-1408-0002
Program Management for Contract Administration
DD-1408-0004
Program Management for Functional Managers
DD-1408-0004
System Program Management
AF-1408-0060

Programmer
Air Force Integrated Command and Control System Computer Programmer
AF-1402-0034
BUIC III Computer Programmer
AF-1402-0052
BUIC Systems Computer Programmer
AF-1402-0051
Command and Control Systems Computer Programmer
AF-1402-0058
F-111 Computer/Programmer Test Stations Technician
AF-1715-0203
HM4118 Computer Programmer Tactical and Control System
AF-1402-0033
Instructional Programmer
AF-1406-0024
NCMC Computer Programmer
AF-1402-0009
Store and Forward Communications System Computer Programmer
AF-1402-0018
AF-1402-0057
SAGE Computer Programmer
AF-1402-0030
Weapon Support Systems Computer Programmer
AF-1402-0058

Programming
Advanced COBOL Programming Techniques
AF-1402-0049
Automated Systems Programming Technician (Management Support Systems)
AF-1402-0002
B 263 Computer Programming and Operation
AF-1402-0015
BUIC Computer Programming
AF-1402-0061
Computer Programming
AF-1402-0008
Computer Systems Programming Officer
AF-1402-0035
AF-1402-0048
Computer Systems Programming Officer, SAGE
AF-1402-0032
COBOL Programming
AF-1402-0011
FORTRAN Programming
AF-1402-0007
JOVIAL Programming
AF-1402-0013
Programming Specialist
AF-1402-0037
Programming Specialist by Correspondence
AF-1402-0065
Programming Technician by Correspondence
AF-1402-0012

Programs
Programs and Work Control Specialist
AF-1717-0009

Property
Industrial Property Administration (JT)
AF-0326-0001

Propulsion
Propulsion Shop Management
AF-1717-0001
Turboprop Propulsion Mechanic by Correspondence
AF-1704-0172

Prosthetics
Complete Denture Prosthetics
AF-0701-0010
Removable Partial Denture Prosthetics
AF-0701-0012

Protection
Defense Preservation and Intermediate Protection
DD-0419-0001

Provisioning
Initial Provisioning
AF-1405-0035

Public
Public Affairs Officer
DD-0504-0009
Public Information Enlisted
DD-0504-0008
Public Information Officer
DD-0504-0007

Punched Card
Data Processing Machine Supervisor (Punched Card)
AF-1402-0036

Purchasing
Purchasing and Contracting Officer
AF-1405-0048

PA-18
Primary Pilot Training (PA-18 T-6)
AF-1606-0110

PDP-11
PDP-11 Instruction Set
DD-1715-0011
PDP-11/40 Processor Maintenance
DD-1715-0012
PDP-11/45 Processor Maintenance
DD-1715-0013

PGM-16E
Missile Launch/Missile Officer (ATLAS PGM-16E)
AF-1715-0651

Q System
Special Electronics Equipment Specialist, Q System
AF-1715-0350

Quantitative
Advanced Quantitative Methods in Cost Analysis
AF-1115-0004
Basic Quantitative Methods in Cost Analysis
AF-1115-0005
Quantitative Methods for Advanced Procurement Pricing
AF-1408-0010
Quantitative Methods in Cost Analysis
AF-1115-0004

Race
Defense Race Relations Institute
DD-1512-0001

Radar
Advanced Navigator Radar Bombardment Training
AF-1606-0106
Air Traffic Control Radar Maintenance Technician
AF-1715-0397
Air Traffic Control Radar Repairman
AF-1715-0488
Air Traffic Control Radar Repairman (AN/MPN-1)
AF-1715-0488
Air Traffic Control Radar Repairman AN/CPN-4
AF-1715-0422
Air Traffic Control Radar Technician
AF-1715-0397
Airborne Early Warning Radar Repairman (AN/APS-20E)
AF-1715-0025
Airborne Early Warning Radar Repairman (AN/APS-45)
AF-1715-0029
Airborne Early Warning Radar Specialist Principles
AF-1715-0533
Aircraft Control and Warning Radar Maintenance Technician
AF-1715-0064
Aircraft Control and Warning Radar Repairman
AF-1715-0687
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and AN/FPS-6)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/CPS-6B and IFF)
AF-1715-0023
Aircraft Control and Warning Radar Repairman (AN/FPS-18, AN/FST-1, AN-FSA-10, AN/FSW-1)
AF-1715-0060
Aircraft Control and Warning Radar Repairman (AN/FPS-20 and AN/FPS-6)
AF-1715-0115
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6 and IFF)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-3, AN/FPS-6)
AF-1715-0103
Aircraft Control and Warning Radar Repairman (AN/FPS-8 and AN/FPS-4)
AF-1715-0105
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D

AVAILABLE

and IFF)
AF-1715-0118
Aircraft Control and Warning Radar Repairman (AN/TPS-1D, AN/TPS-10D)
AF-1715-0118
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FPS-8, AN/FPS-4, and IFF
AF-1715-0020
Aircraft Control and Warning Radar Repairman, AN/FST-2
AF-1715-0111
Aircraft Control and Warning Radar Technician
AF-1715-0064
Aircraft Early Warning Radar Maintenance Technician
AF-1715-0282
Aircraft Early Warning Radar Repairman
AF-1715-0427
Aircraft Inertial and Radar Navigation Systems Repairman
AF-1715-0027
Aircraft Inertial and Radar Navigation Systems Repairman (RF-4C Supplement)
AF-1715-0022
Automatic Tracking Radar Repairman
AF-1715-0368
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406
Avionic Inertial and Radar Navigation Systems Specialist
AF-1715-0027
Avionic Inertial and Radar Navigation Systems Specialist by Correspondence
AF-1715-0442
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (K, MA-6A, MA-7A Series Radar Interconnects)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, MA-7A Radar and Interconnect)
AF-1715-0212
Bomb Navigation Systems Technician (MA-6A, 7A Radar and ICE)
AF-1715-0212
F-111 Radar and Control Test Stations Technician
AF-1715-0261
Fire Control Systems Mechanic, MG-10 Radar
AF-1715-0258
Ground Radar Systems Supervisor/ Technician
AF-1715-0367
GCA Radar Officer
AF-1717-0008
Intelligence Photo-Radar Officer
AF-1709-0017
AF-1709-0021
K-Series Radar and Interconnection Equipment Technician
AF-1715-0212
Navigator Radar Intercept
AF-1606-0045
Radar Intercept Officer Training
AF-1606-0045
Radar Intercept Officer Training (MG-12/13)
AF-1606-0045
Special Training on Radar Bombing Navigation System, AN/APQ-24A
AF-1715-0617

Radio
Airborne Radio Maintenance Technician
AF-1715-0067
Airborne Radio Repairman
AF-1715-0341
Aircraft Radio Maintenance Technician
AF-1715-0067
Aircraft Radio Repairman
AF-1715-0065
AF-1715-0069
Aircraft Radio Repairman (Command)
AF-1715-0066
Aircraft Radio Repairman (Communications)
AF-1715-0065
Aircraft Radio Repairman (General)
AF-1715-0065
Aircraft Radio Repairman (Navigational)
AF-1715-0069
Ground Radio Communications Equipment Repairman
AF-1715-0534
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491
Ground Radio Communications Equipment Repairman (WS-133A/B)
AF-1715-0495
Ground Radio Communications Equipment Technician
AF-1715-0088
Ground Radio Communications Specialist by Correspondence
AF-1715-0227
Ground Radio Communications Technician by Correspondence
AF-1715-0465
Ground Radio Officer
AF-1715-0548
Ground Radio Operator by Correspondence
AF-0504-0002
Ground Radio Repairman
AF-1715-0705
Ground Radio Systems Supervisor/ Technician
AF-1715-0577
Radio and Television Production Specialist
DD-0505-0001
Radio Relay Equipment Maintenance Technician
AF-1715-0496
Radio Relay Equipment Repairman
AF-1715-0489
Radio Relay Equipment Repairman (EAME)
AF-1715-0494
Radio Relay Equipment Repairman (FPTS)
AF-1715-0079
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A)
AF-1715-0079
Radio Relay Equipment Repairman (Microwave and Associated Relay Center Equipment)
AF-1715-0085
Radio Relay Equipment Repairman (Microwave)
AF-1715-0085
Radio Relay Equipment Repairman (Relay Center Equipment)
AF-1715-0107
Radio Relay Equipment Technician
AF-1715-0496

Radiology
Radiology Specialist
AF-0705-0002
Radiology Technician
AF-0705-0001

Ranges
Flight Facilities Equipment Repairman (Ranges and Beacons)
AF-1715-0253

Rate and Track
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406

Rawinsonde
Rawinsonde Operation
AF-1304-0005

Real Estate
Real Estate and Cost Management Analysis Specialist
AF-0331-0001
Real Estate—Cost-Management Analysis Specialist
AF-0331-0001

Reciprocating
Aircraft Maintenance Technician, Reciprocating Engine Aircraft
AF-1704-0088
Flight Engineer Specialist, Reciprocating Engine Aircraft
AF-1606-0032
Reciprocating Engine Technician
AF-1704-0049

Reconnaissance
Advanced Navigator Reconnaissance Bombardment
AF-1606-0106
Advanced Observer Reconnaissance Bombardment
AF-1606-0106
Navigator Reconnaissance Upgrading Training (RF-4C)
AF-1606-0090

Records
Supply Records Supervisor
AF-1405-0021

Recruiter
Air National Guard Recruiter
AF-1406-0038
Recruiter
AF-1406-0003
AF-1406-0006
USAF Recruiter
AF-1406-0006

Recruiting
Recruiting Officer
AF-1406-0037

Relay
Communications and Relay Center Equipment Repairman, Electromechanical
AF-1715-0132
Radio Relay Equipment Maintenance Technician
AF-1715-0496
Radio Relay Equipment Repairman
AF-1715-0489

Radio Relay Equipment Repairman (EAME)
AF-1715-0494
Radio Relay Equipment Repairman (FPTS)
AF-1715-0079
Radio Relay Equipment Repairman (FPTS)(AN/FRC-39 and AN/FRC-39A)
AF-1715-0079
Radio Relay Equipment Repairman (Microwave and Associated Relay Center Equipment)
AF-1715-0085
Radio Relay Equipment Repairman (Microwave)
AF-1715-0085
Radio Relay Equipment Repairman (Relay Center Equipment)
AF-1715-0107
Radio Relay Equipment Technician
AF-1715-0496

Reliability
Reliability
AF-1115-0002
Reliability Maintainability
AF-1115-0003

Reproduction
Reproduction Equipment Repair
DD-1706-0002

Research
Laboratory Management of Research and Development
AF-1408-0058
Research and Development Procurement Officer
AF-1405-0036
AF-1405-0043

Reserve
Information Officer (Reserve Component)
DD-0504-0011
Reserve Components National Security Seminar
DD-1511-0006
Reserve Special Investigations and Counterintelligence Training (Reserve Refresher)
AF-1728-0005
Reserve Special Investigator
AF-1728-0006

Romanian
Romanian
DD-0602-0001
DD-0602-0002
DD-0602-0013
DD-0602-0033
DD-0602-0034
DD-0602-0036

Rubber
Fabric and Rubber Products Specialist
AF-1716-0001
Fabric, Leather and Rubber Products Repairman
AF-1716-0001

Rumanian
Rumanian
DD-0602-0008
DD-0602-0043

Rundi
Rundi
DD-0602-0003

Russian
Basic Russian—Refresher
DD-0602-0041
Russian
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0017
DD-0602-0019
DD-0602-0020
DD-0602-0022
DD-0602-0027
DD-0602-0035
DD-0602-0036
DD-0602-0037
DD-0602-0039
DD-0602-0044
Russian Refresher
DD-0602-0038
Scientific Russian
DD-0602-0038

Russian Stenotype
Russian Stenotype
DD-0602-0033

RF-4C
Aircraft Inertial and Radar Navigation Systems Repairman (RF-4C Supplement)
AF-1715-0022
Navigator Reconnaissance Upgrading Training (RF-4C)
AF-1606-0090

RIGS
Guidance and Control Officer (RIGS) (HGM-25A)
AF-1715-0672
Guidance and Control Officer (RIGS) (SM-68A)
AF-1715-0672
Guidance Control Officer (RIGS) (SM-68)
AF-1715-0672

Safety
Air Launched Missile Safety Officer
AF-0802-0009
Air Launched Missile Safety Technician
AF-0802-0011
Ballistic Missile Safety
AF-0802-0008
General Safety Specialist
AF-0802-0016
Ground Safety Specialist
AF-0802-0016
Missile Safety Technician
AF-0802-0007

Sanitary
Military Aspects of Sanitary and Industrial Hygiene Engineering
AF-0707-0001

Scientific
Scientific Russian
DD-0602-0038

Security
Defense Security Assistance Management Core
DD-1408-0001
Defense Security Assistance Management Overseas
DD-0327-0001
Industrial Security Specialist
DD-1728-0001
Information Security Management
DD-1728-0002
National Communications Security (COMSEC)
DD-1404-0004
National Security Management (Correspondence Course of the Industrial College of the Armed Forces)
DD-1511-0001
National Security Management (Correspondence/Nonresident/Seminar Course of the National Defense University)
DD-1511-0001
Reserve Components National Security Seminar
DD-1511-0006
Security Police Administration
AF-1728-0016
Security Police Officer
AF-1728-0018
Security Police Staff Officer
AF-1728-0007
Security Police Supervisor
AF-1728-0028
Security Policeman
AF-1728-0019
Security Specialist
AF-1728-0008
Security Specialist by Correspondence
AF-1728-0002
Security Supervisor by Correspondence
AF-1728-0003

Seminar
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Air War College Nonresident Seminar Program
AF-1511-0004
Associate Air War College Nonresident Seminar Program
AF-1511-0004
National Security Management (Correspondence/Nonresident/Seminar Course of the National Defense University)
DD-1511-0001

Senior
National Senior Cryptologic
DD-1404-0003
National Senior Intelligence
DD-1606-0001
Senior Military Cryptologic Supervisors
DD-1404-0001
Senior Noncommissioned Officer (NCO) Academy
AF-2203-0009
Senior NCO Academy
AF-2203-0009

Sensor
Aircraft Sensor Systems Repairman (Electronic Sensors)
AF-1715-0479
Avionic Sensor Systems Specialist (Electro-Optical Sensors)
AF-1715-0478
Avionic Sensor Systems Specialist (Electronic Sensors)
AF-1715-0475
Defense Sensor Interpretation and Applications Training (DSIAT) (Airman)
AF-1606-0051

BEST COPY AVAILABLE

Serbo-Croatian
Serbo-Croatian
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0019
DD-0602-0033
DD-0602-0036
DD-0602-0044

Services
Apprentice Services Specialist by Correspondence
AF-1729-0013
Services Specialist by Correspondence
AF-1729-0014
Special Services Officer
AF-1408-0064

Shipboard
Shipboard Information, Training and Entertainment (SITE) System Operators
DD-0504-0010
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010

Shop
Propulsion Shop Management
AF-1717-0001

Sideband
Single Sideband System Maintenance
AF-1715-0039

Simulator
Flight Simulator Fundamentals
AF-1715-0706
Flight Simulator Specialist
AF-1715-0706
Flight Simulator Technician
AF-1715-0573

Single
Single Sideband System Maintenance
AF-1715-0039

Sinhala
Sinhala
DD-0602-0009

Site
Site Development Specialist
AF-1601-0041

Slovenian
Slovenian
DD-0602-0014

Small
Small Arms Specialist
AF-2203-0001

Solid State
Solid State Devices and Digital Techniques
AF-1715-0042
AF-1715-0044

Sound
Sound and Picture Editing Specialist
AF-1709-0011

Space
Space Communications Systems Equipment Operator/Specialist
AF-1715-0480
Space Systems Analyst
AF-1303-0001

Spanish
Spanish
DD-0602-0001
DD-0602-0003
DD-0602-0006
DD-0602-0008
DD-0602-0022
DD-0602-0032
DD-0602-0033
DD-0602-0034
DD-0602-0036
DD-0602-0039

Special
Special Investigations and Counterintelligence Officer
AF-1728-0020
Special Investigations and Counterintelligence Specialist
AF-1728-0020
Special Investigators
AF-1728-0020
Special Operations Training, AC-130E Pilots
AF-1606-0020
Special Services Officer
AF-1408-0064

Specification
IDHS 1410 FFS Operations and Specifications II
AF-1402-0043

Squadron
Squadron Officer Course
AF-2203-0041
Squadron Officer School
AF-2203-0041
Squadron Officer School Correspondence Program
AF-2203-0035

Staff
Air Command and Staff Associate Correspondence Program
AF-1511-0003
Air Command and Staff Associate Program
AF-1511-0002
Air Command and Staff College
AF-1511-0001
Air Command and Staff Correspondence Program
AF-1511-0003
Air Command and Staff Nonresident Seminar Program
AF-1511-0002
Armed Forces Staff College
DD-0326-0001
Command and Staff College
AF-1511-0001
Command and Staff Course
AF-1511-0001
Command and Staff School
AF-1511-0001
Staff Support Administration Specialist by Correspondence
AF-1403-0003
Supply Management Staff Officer
AF-1405-0052
Supply Staff Officer
AF-1405-0052

Statistical
Statistical Services Officer
AF-1402-0001
Statistical Services Supervisor
AF-1408-0015
Statistical Specialist
AF-1115-0006

Statistics
Data Systems and Statistics Officer
AF-1402-0001

Still
Combat Still Photographer, Operator
AF-1709-0002
Still Photo Journalism
AF-1709-0004
Still Photographer
AF-1709-0010
Still Photographic Camera Specialist
AF-1709-0020
Still Photographic Laboratory Specialist
AF-1709-0018
Still Photographic Officer
AF-1709-0026
Still Photojournalism
AF-1709-0004

Store
Store and Forward Communications System Computer Programmer
AF-1402-0018
AF-1402-0057

Strategic
Strategic Aircraft Maintenance Specialist by Correspondence
AF-1704-0181
AF-1704-0188

Stripping
Lithographic Stripping and Platemaking
DD-1719-0001

Subscriber
Digital Subscriber Terminal Maintenance
AF-1715-0119

Supervision
Management/Supervision of a Data Processing Installation (DPI)
AF-1402-0038

Supervisor
Computer Operations Supervisor by Correspondence
AF-1402-0068

Supervisors
Cryptologic Course for Service Supervisors
DD-1404-0005

Supply
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II)
AF-1401-0016
Advanced Supply Officer
AF-1405-0052
Base Supply Management
AF-1405-0001
Chief of Supply Management
AF-1405-0040
Fuel Supply Officer
AF-1405-0034
Medical Supply Officer
AF-1405-0006
Supply Computer System Specialist
AF-1402-0005
Supply Management Staff Officer
AF-1405-0052
Supply Officer
AF-1405-0008
AF-1405-0052
Supply Operations Officer
AF-1405-0008
Supply Records Supervisor
AF-1405-0021

BEST COPY AVAILABLE

Supply Services Supervisor
AF-0332-0001
Supply Staff Officer
AF-1405-0052
Supply Systems Specialist
AF-1402-0005

Support
Staff Support Administration Specialist by Correspondence
AF-1403-0003

Surface
Surface Transportation Officer
AF-0419-0005

Surgical
Ophthalmology Surgical Technician
AF-0706-0001

Survey
Advanced Geodetic Survey
DD-1601-0014
Basic Geodetic Survey
DD-1601-0010
Basic Geodetic Surveying
DD-1601-0010
Geodetic Surveying
DD-1601-0010
Optical Survey Instrument Repair
DD-1721-0001

Surveying
Advanced Geodetic Surveying
DD-1601-0003
Basic Geodetic Surveying
DD-1601-0010
Construction Surveying
DD-1601-0008
Geodetic Surveying
DD-1601-0002
DD-1601-0010

Survival
Advanced Survival Training
AF-0803-0003
Survival Instructor Training
AF-0802-0018
Survival Training
AF-0803-0003
Survival Training (SEA)
AF-0803-0003
USAF Combat Survival Training
AF-0803-0003

Swahili
Swahili
DD-0602-0008
DD-0602-0010
DD-0602-0014
DD-0602-0047

Swedish
Swedish
DD-0602-0001
DD-0602-0002
DD-0602-0006
DD-0602-0008
DD-0602-0029

Switching
Automatic Digital Switching Technician
AF-1402-0020
Automatic Teletype and Electronic Switching Systems Repairman
AF-1715-0102
Telephone Switching Equipment Specialist (Combat Operations Support)
AF-1715-0713

Syrian
Arabic (Egyptian, Syrian, Iraqi)
DD-0602-0026

System
System Program Management
AF-1408-0060

Systems
Advanced Systems Buying
AF-1408-0025
Automated Systems Analyst (Management Support Systems)
AF-1402-0064
Computer Systems Analyst
AF-1402-0003
Systems Procurement Officer
AF-1405-0016
AF-1405-0017
AF-1405-0037

SAC
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139

SACCS
Electronic Digital Data Processing Repairman (Display Equipment/SACCS)
AF-1715-0441

SAGE
Computer Systems Programming Officer, SAGE
AF-1402-0032
Electric Digital Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Computer Repairman (SAGE AN/FSQ-7)
AF-1715-0058
Electronic Computer Systems Repairman (FSQ-7/SAGE)
AF-1715-0058
SAGE Computer Programmer
AF-1402-0030

SEA
Intelligence Area Studies (SEA)
AF-1601-0042

SITE
Shipboard Information, Training and Entertainment (SITE) System Operators
DD-0504-0010
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010

SM-65
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406
Control Systems Mechanic (SM-65, 68)
AF-1715-0506
Guidance Systems Mechanic (SM-65, 68)
AF-1715-0508
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68
AF-1601-0045

SM-65D
Electronic Digital Data Processing Equipment Repairman (Ballistic Missile Guidance Computer) (SM-65D)
AF-1715-0701
Missile Launch/Missile Officer (SM-65D)
AF-1715-0715

SM-65E
Missile Launch/Missile Officer (SM-65E)
AF-1715-0651

SM-65F
Electrician/Supervisor (SM-65F)
AF-1715-0312

SM-68
Electrician/Supervisor (SM-68)
AF-1715-0307
Guidance and Control Officer (RIGS) (SM-68A)
AF-1715-0672
Guidance Control Officer (Computer)(SM-68)
AF-1715-0037
Guidance Control Officer (RIGS) (SM-68)
AF-1715-0672
Liquid Fuel Systems Maintenance Specialist, SM-65 and SM-68
AF-1601-0045

SM-68A
Guidance and Control Officer (RIGS) (SM-68A)
AF-1715-0672
Liquid Fuel Systems Maintenance Specialist (SM-68A)
AF-1601-0032

SM-68B
Plumber/Plumbing Supervisor (SM-68B)
AF-1710-0001

SM-80
Ballistic Missile Analyst Specialist, SM-80
AF-1715-0344
Ballistic Missile Check-Out Equipment Specialist, SM-80
AF-1715-0299
Missile Officer, SM-80
AF-1717-0015

SM68
Guidance System Technician (SM68)
AF-1704-0126

T-33
Medical Officer Flight Familiarization Training (T-33)
AF-1606-0127
Undergraduate Pilot Training (T-37/T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022

T-37
Medical Officer Flight Familiarization Training (T-37)
AF-1606-0127
Pilot Instructor Training (T-37)
AF-1406-0021
Undergraduate Pilot Training (T-37/T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022

T-38
Instrument Pilot Instructor Training (T-38)
AF-1606-0011
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Pilot Instructor Training (T-38)
AF-1406-0010
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022

BEST COPY AVAILABLE

T-38/T-39
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011

T-39
Instrument Pilot Instructor Training (T-38/T-39)
AF-1606-0011
Instrument Pilot Instructor Training (T-39)
AF-1606-0011

T-41
Pilot Instructor Training (T-41)
AF-1406-0011
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022
Undergraduate Pilot Training (T-41, Interim)
AF-1606-0003

T-6
Primary Pilot Training (PA-18/T-6)
AF-1606-0110

Tactical
Aircraft Maintenance Specialist, Tactical Aircraft by Correspondence
AF-1704-0102
Aircraft Maintenance Technician, Tactical Aircraft by Correspondence
AF-1704-0162
Tactical Missile Checkout Equipment Repairman (CGM-13B TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS)
AF-1715-0646
Tactical Missile Launch Specialist (CGM-13B)
AF-1715-0657
Tactical Missile Launch Specialist (Mace, MGM-13C)
AF-1715-0657
Tactical Missile Launch Specialist (TM-76B)
AF-1715-0657

Tagalog
Filipino Tagalog
DD-0602-0009
DD-0602-0045

Tamil
Tamil
DD-0602-0009

Tape
PC11/PC05 Paper Tape Unit Maintenance
DD-1715-0009

Teaching
Multi-Media Teaching System (Development)
AF-1406-0028

Technical
Technical Instructor
AF-1406-0023
AF-1406-0030

Telecommunications
Apprentice Telecommunications Operations Specialist by Correspondence
AF-0504-0004
Telecommunications Operations Specialist by Correspondence
AF-0504-0003
Telecommunications System Control Specialist by Correspondence
AF-1715-0390
Telecommunications Systems/Equipment Maintenance by Correspondence
AF-1715-0450

Telephone
Telephone Equipment Installer-Repairman
AF-1715-0048
Telephone Switching Equipment Specialist (Combat Operations Support)
AF-1715-0713

Teletype
Automatic Teletype and Electronic Switching Systems Repairman
AF-1715-0102
Electronic Communications and Cryptographic Systems Equipment Repairman (Automatic Teletype)
AF-1715-0102
Teletype Model 40/400 Board Level Maintenance
DD-1715-0001

Televised
Bomb Navigation System Mechanic (MA-6A, MA-7A Systems) Televised
AF-1715-0256

Television
Radio and Television Production Specialist
DD-0505-0001
Shipboard Information, Training and Entertainment (SITE) System Operators (Television Afloat)
DD-0504-0010
Television Production Specialist
AF-0505-0001

Terrain
Terrain Analysis
DD-1601-0004
DD-1601-0018

Test
F-111 Computer/Programmer Test Stations Technician
AF-1715-0203
F-111 Flight Control Test Station Technician
AF-1715-0004
F-111 Radar and Control Test Stations Technician
AF-1715-0261
F-111A Computer/Navigation Test Station Technician
AF-1402-0024
Missile Test Equipment Specialist (TM-76A)
AF-1715-0646
Vehicle Diagnostic Test Equipment
AF-1703-0017

Testing
Non-Destructive Testing
AF-1724-0002
Non-Destructive Testing of Aircraft and Related Equipment Components
AF-1724-0002

Thai
Thai
DD-0602-0002
DD-0602-0009
DD-0602-0021
DD-0602-0033
DD-0602-0034
DD-0602-0044

Therapy
Diet Therapy Specialist
AF-0709-0001
Diet Therapy Supervisor
AF-1729-0009
Physical Therapy Specialist
AF-0704-0002
Physical Therapy Technician
AF-0704-0001

Titan II
Ground Radio Communications Equipment Repairman (Titan II)
AF-1715-0491

Topographic
Basic Topographic Officers
DD-1601-0012
Topographic Instrument Repair
DD-1721-0001

Towing
Special Vehicle Repairman (Towing and Servicing Vehicle)
AF-1703-0005

Tracking
Automatic Tracking Radar Repairman
AF-1715-0368
Automatic Tracking Radar Specialist (Rate and Track Subsystems) (SM-65)
AF-1715-0406

Traffic
Freight Traffic Specialist
AF-0419-0009
Integrated Avionics Component Specialists (Communication/Mission and Traffic Control and Penetration Aids)
AF-1715-0609
Passenger Traffic Specialist
AF-0419-0025
Traffic Management and Accident Investigation
AF-1728-0004

Trainer
Defensive Systems Trainer Specialist, AN/GPQ-T6
AF-1715-0138
Gunnery Trainer Specialist
AF-1715-0216
Navigation and Bombing Trainer Specialist (AN/APQ-T3)
AF-1715-0274
Navigation/Bombing Trainer and Flight Simulator Tactics Specialist
AF-1715-0455
Navigation/Bombing/Tactics Trainer Specialist
AF-1715-0455

Training
Military Training Instructor
AF-1512-0002

Transmission
General Purpose Automatic Transmission Maintenance
AF-1703-0012

Transmitters
Ground Communications Equipment Repairman (Heavy) Transmitters
AF-1715-0530

Transportation
Air Transportation Officer
AF-0419-0010
Defense Packaging of Hazardous Materials for Transportation
DD-0419-0003
Surface Transportation Officer
AF-0419-0005
Transportation Officer
AF-0419-0010
AF-0419-0012
Transportation Staff Officer
AF-0419-0012

Turboprop
Turboprop Propulsion Mechanic by Correspondence
AF-1704-0172

Turkish
Turkish
DD-0602-0001
DD-0602-0002
DD-0602-0009
DD-0602-0026
DD-0602-0033
DD-0602-0034
DD-0602-0039
DD-0602-0042
DD-0602-0044

Turrets
Defensive Fire Control System Mechanic (A-3A, MD-9, ASG-15 Turrets)
AF-1715-0482
Defensive Fire Control System Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (B-52H, B-58: MD-7, ASG-21 Turrets)
AF-1715-0540
Defensive Fire Control Systems Mechanic (MD-7, AN/ASG-21 Turrets)
AF-1715-0540

Twi
Twi
DD-0602-0003

TAC
Missile Guidance and Control Specialist (AGM/AIM)TAC
AF-1715-0712

TD 1220/G
Maintenance of the TD 1220/G Multiplexer-Demultiplexer
DD-1715-0002
Operation, Maintenance,and Repair of the TD 1220/G and TD 1246/G Multiplexer-Demultiplexer
DD-1715-0002
TD 1220/G MUX/DEMUX Maintenance
DD-1715-0002

TD 1246/G
Operation, Maintenance,and Repair of the TD 1220/G and TD 1246/G Multiplexer-Demultiplexer
DD-1715-0002

TDDL
Ground Communications Equipment Technician (Light)(TDDL Equipment)
AF-1715-0561
Ground Communications Equipment Technician (TDDL)
AF-1715-0561

TEMS
Missile Electronic Equipment Specialist (CGM-13B, TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (CGM-13B TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MACE MGM-13C/TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (MGM-13B(TEMS))
AF-1715-0646
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641
Tactical Missile Checkout Equipment Repairman (TM/76A/TEMS)
AF-1715-0646

TH-1
Helicopter Pilot Transition Training (TH-1)
AF-1606-0091

TH-1F
Pilot Advanced Flying (TH-1F) Basic
AF-1606-0138
Pilot Advanced Flying (TH-1F) SAC
AF-1606-0139

TM-61A
Missile Mechanic (TM-61A/C)
AF-1715-0642

TM-61C
Control Systems Mechanic (TM-61C)
AF-1715-0292
Guidance Systems Officer (Surface-to-Surface) (TM-61C)
AF-1715-0648
Missile Specialist (TM-61C)
AF-1715-0642

TM-76A
Controls System Analyst (TM-76A)
AF-1715-0180
Guidance Systems Analyst (TM-76A)
AF-1714-0005
Guided Missile Maintenance Officer TM-76A
AF-1715-0647
Guided Missile Operations Officer (TM-76A)
AF-1715-0133
Missile Officer TM-76A
AF-1715-0647
Missile Test Equipment Specialist (TM-76A)
AF-1715-0646

TM-76A/B
Control Systems Mechanic (TM-76A/B)
AF-1715-0162
Tactical Missile Control Mechanic (TM-76A/B)
AF-1715-0162

TM-76B
Guidance System Mechanic (TM-76B)
AF-1715-0481
Guided Missile Operations Officer (TM-76B)
AF-1715-0658
Missile Launch Officer (TM-76B)
AF-1715-0658
Missile Maintenance Officer TM-76B
AF-1715-0638
Missile Officer TM-76B
AF-1715-0638
Missile Systems Analyst Specialist (TM-76B)
AF-1715-0668
Tactical Missile Checkout Equipment Repairman (TM-76B, TEMS)
AF-1715-0641
Tactical Missile Guidance Mechanic (TM-76B, GSC)
AF-1715-0481
Tactical Missile Guidance Mechanic and Checkout Equipment Repairman (TM-76B, GEMS)
AF-1715-0481
Tactical Missile Launch Specialist (TM-76B)
AF-1715-0657

TSEC/KG-34
TSEC/KG-34 Component Level Maintenance
DD-1715-0004

Ukranian
Ukranian
DD-0602-0014

Undergraduate
Undergraduate Navigator Training
AF-1606-0145
Undergraduate Pilot Training (T-37/T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/ T-33)
AF-1606-0022
Undergraduate Pilot Training (T-41/T-37/T-38)
AF-1606-0022
Undergraduate Pilot Training (T-41, Interim)
AF-1606-0003

Unit
PC11/PC05 Paper Tape Unit Maintenance
DD-1715-0009
Unit Historian Development
AF-2203-0007
Unit Orderly Room Administration Specialist by Correspondence
AF-1403-0004

Unitization
Defense Packing and Unitization
DD-0419-0002

Urdu
Hindi-Urdu
DD-0602-0009
DD-0602-0044

UH-1N
Pilot Advanced Flying (UH-1N) Basic
AF-1606-0140

UNIVAC
Accounting and Finance Applications of Base Supply Computer (UNIVAC 1050 II)
AF-1401-0016
Operation and Maintenance of UNIVAC 1218 Computer
AF-1402-0055

Vehicle
Apprentice Vehicle Operator/ Dispatcherby Correspondence
AF-0419-0026

BEST COPY AVAILABLE

General Purpose Vehicle Mechanic by Correspondence
AF-1703-0018
General Purpose Vehicle Repairman
AF-1703-0006
General Purpose Vehicle Repairman (Accelerated)
AF-1703-0007
Motor Vehicle Maintenance Management
AF-0419-0019
Motor Vehicle Maintenance Officer
AF-1405-0019
Motor Vehicle Management Officer
AF-1405-0019
Special Vehicle Repairman (Towing and Servicing Vehicle)
AF-1703-0005
Vehicle Diagnostic Test Equipment
AF-1703-0017
Vehicle Maintenance Technician
AF-1703-0010
Vehicle Operations Supervisior by Correspondence
AF-0419-0023

Veterinary
Apprentice Veterinary Specialist
AF-0102-0003
Veterinary Specialist
AF-0102-0003
Veterinary Specialist Phase II
AF-0102-0003
Veterinary Technician
AF-0104-0001

Vietnamese
Basic Vietnamese
DD-0602-0041
Vietnamese
DD-0602-0003
DD-0602-0007
DD-0602-0009
DD-0602-0022
DD-0602-0035
DD-0602-0036
DD-0602-0044

Vietnamese-Hanoi
Aural Comprehension Vietnamese-Hanoi Dialect
DD-0602-0040
Vietnamese-Hanoi
DD-0602-0013
DD-0602-0039
Vietnamese-Hanoi Dialect
DD-0602-0033

Vietnamese-Saigon
Basic Vietnamese-Saigon Dialect
DD-0602-0040
Short Basic Vietnamese-Saigon Dialect
DD-0602-0040
Vietnamese-Saigon
DD-0602-0013
DD-0602-0039

VHF-UHF
Ground Communications Equipment Repairman (VHF-UHF)
AF-1715-0498

War
Air War College
AF-1511-0006
Air War College Associate Correspondence Program
AF-1511-0005
Air War College Correspondence Program
AF-1511-0005
Air War College Nonresident Seminar Program
AF-1511-0004
Associate Air War College Nonresident Seminar Program
AF-1511-0004
National War College
DD-1511-0002
War College
AF-1511-0006

Warehousing
Warehousing Supervisor
AF-1405-0050

Warning
Aircraft Control and Warning Radar Maintenance Technician
AF-1715-0064
Aircraft Control and Warning Radar Technician
AF-1715-0064

Waste
Water and Waste Processing
AF-1732-0002
Water and Waste Processing Specialist
AF-1732-0001

Water
Water and Waste Processing
AF-1732-0002
Water and Waste Processing Specialist
AF-1732-0001

Weapons
Atomic Weapons Officer
AF-1715-0545
Defense Weapons Systems Management
AF-1408-0011
F-111A Weapons System Training
AF-1606-0117
F-111A Weapons System Training (Aircraft Commander)
AF-1606-0132
F-111A Weapons System Training (Mark I)
AF-1606-0117
F-111A Weapons System Training (NAV/PILOT)
AF-1606-0117
Nuclear Weapons Officer
AF-1715-0545
Special Weapons Maintenance Technician
AF-1715-0150
AF-1715-0151
AF-1715-0152
Weapons Controller (ECCM Operations Officer)
AF-1715-0721
Weapons Controller (ECCM Operations Officer)/Electronic Warfare Countermeasures Specialist
AF-1715-0721
Weapons Fusing System Specialist
AF-1715-0129
Weapons Fusing Systems Specialist (Electronic)
AF-1715-0149
Weapons Fuzing Systems Specialist (Electrical)
AF-1714-0004

Weapons Control
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Integrated Avionics Component Specialist (Navigation/Flight and Weapons Control, and Flight Data Recorder Systems)
AF-1715-0476
Integrated Avionics System Specialist (Navigation/Flight and Weapons Control)
AF-1715-0476
Weapons Control System Mechanic (F/FB-111)
AF-1715-0486
Weapons Control Systems Mechanic (A-7D; AN/APQ-126)
AF-1715-0538
Weapons Control Systems Mechanic (AMCS-AERO-1A)
AF-1715-0535
Weapons Control Systems Mechanic (E-9 System)
AF-1715-0690
Weapons Control Systems Mechanic (E-9, MG-12 Systems)
AF-1715-0689
AF-1715-0690
Weapons Control Systems Mechanic (F-106A/B: MA-1, ASQ-25 Systems)
AF-1715-0375
Weapons Control Systems Mechanic (F-111A)
AF-1715-0486
Weapons Control Systems Mechanic (F-4C/D: APQ-109/APA-165)
AF-1715-0535
Weapons Control Systems Mechanic (F-4E)
AF-1715-0610
Weapons Control Systems Mechanic (F-4E:APQ-120)
AF-1715-0610
Weapons Control Systems Mechanic (F4, AMCS)
AF-1715-0535
Weapons Control Systems Mechanic (MA-1 System)
AF-1715-0375
Weapons Control Systems Mechanic (MA-1 Systems)
AF-1715-0375
Weapons Control Systems Mechanic (MA-1, ASQ-25 Systems)
AF-1715-0375
Weapons Control Systems Mechanic (MG-10/13 Systems)
AF-1715-0546
Weapons Control Systems Mechanic (MG-10, 13 Systems)
AF-1715-0546
Weapons Control Systems Mechanic (MG-12 System)
AF-1715-0690
Weapons Control Systems Mechanic (MG-3, MG-10, MG-13 Computer Controls)
AF-1715-0272
Weapons Control Systems Mechanic (MG-3, 10, 13 Systems)
AF-1715-0546
Weapons Control Systems Technician (MG-13 Data Flow)
AF-1715-0699

Weather
Basic Weather Service (Equipment Channel)
AF-1715-0412
Ground Weather Equipment Operator
AF-1715-0412

BEST COPY AVAILABLE

Ground Weather Observing Procedures
AF-1304-0003
Weather Chief Observer
AF-1408-0044
Weather Equipment Repairman
AF-1715-0412
Weather Equipment Superintendent
AF-1715-0683
Weather Equipment Technician
AF-1715-0417
Weather Forecaster
AF-1304-0002
Weather Forecaster Technician
AF-1304-0002
Weather Observer
AF-1304-0001
Weather Observer Technician
AF-1304-0008
Weather Specialist by Correspondence
AF-1304-0013
Weather Technician
AF-1304-0002

Wideband
Wideband Communications Equipment Specialist by Correspondence
AF-1715-0208

Wire
Outside Wire and Antenna Maintenance Repairman
AF-1714-0015
Outside Wire and Antenna Systems Installation and Maintenance Specialist
AF-1714-0015

Work
Base Level Military Personnel System (BLMPS)/Personnel Data System (PDS) Work Center Operations, Phase II
AF-1402-0060
BLMPS/PDS Work Center Operations, Phase II
AF-1402-0060
Programs and Work Control Specialist
AF-1717-0009
Work Control Specialist
AF-1408-0035

WS-133(CDB)
Missile Electronic Equipment Technician WS-133(CDB)
AF-1715-0714

WS-133A
Ballistic Missile Analyst Specialist, WS-133A
AF-1715-0344
Ballistic Missile Analyst Specialist, WS-133A
AF-1715-0345
Ballistic Missile Check-Out Equipment Specialist, WS-133A
AF-1715-0299
Missile Electronic Equipment Specialist, WS-133A
AF-1715-0456
Missile Officer, WS-133A
AF-1717-0015
AF-1717-0016
AF-1717-0017
Missile Systems Analyst Specialist, WS-133A
AF-1715-0344
AF-1715-0345

WS-133A-M
Missile Electronic Equipment Specialist, WS-133A-M
AF-1715-0711
Missile Officer, WS-133A-M
AF-1717-0019
Missile Systems Analyst Specialist, WS-133A-M
AF-1715-0452

WS-133A/B
Ground Radio Communications Equipment Repairman (WS-133A/B)
AF-1715-0495

WS-133B
Ballistic Missile Checkout Equipment Specialist, WS-133B
AF-1715-0108
Missile Electronic Equipment Specialist, WS-133B
AF-1715-0461
Missile Officer, WS-133B
AF-1715-0343
AF-1717-0018

Yoruba
Yoruba
DD-0602-0003

1218 Computer
Operation and Maintenance of UNIVAC 1218 Computer
AF-1402-0055

407L
HM4118 Electronic Computer Repairman/Operator/407L
AF-1715-0392

412L
Electronic Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Computer Systems Repairman (Display Equipment/412L)
AF-1715-0448
Electronic Digital Computer Repairman (Display Equipment/412L)
AF-1715-0059
Electronic Digital Data Processing Repairman (Data Processing Equipment/412L)
AF-1715-0110

416L-AN/FSQ-7
Electronic Digital Data Processing Equipment Repairman, Central-Computer (416L-AN/FSQ-7)
AF-1715-0348

465L
Electronic Digital Computer Repairman (Display Equip/465L)
AF-1402-0023
Electronic Digital Data Processing Repairman (Input-Output/465L Concentrator)
AF-1715-0109

BEST COPY AVAILABLE

Course Number Index

The following columns cross-reference military course numbers to ID numbers for the courses listed in the course exhibit section. Readers who desire to trace courses for which they only have military course numbers as references may find the applicabel courses by referring to the cross-reference list.

Each ID number begins with prefix initials which identify a specific branch of the Armed Services. The following prefixes are used:

AF—Air Force
AR—Army
CG—Coast Guard
DD—Department of Defense
MC—Marine Corps
NV—Navy

A-570-0010 ..... DD-0505-0001
A-570-0010 (USN) DD-0505-0001
A-570-0010(S) (USN) DD-0504-0010
A-570-0011(USN) DD-0504-0001
A-570-0012 (USN) DD-0504-0002
A-570-0013 ..... DD-0504-0003
A-570-0016(S) DD-0504-0010

A-7G-0010 ..... DD-0504-0009
A-7G-0010(USN) DD-0504-0009
A-740-0020 ..... DD-1719-0003

AAR23271 ..... AF-1709-0001
AAR23470 ..... AF-1709-0001
AAR24170-1 ..... AF-0802-0011
AAR25271 ..... AF-1304-0008
AAR30172 ..... AF-1715-0282
AAR30170 ..... AF-1715-0067
AAR30171 ..... AF-1715-0510
AAR30171B AF-1715-0510
AAR30173 ..... AF-1715-0324
AAR30190 ..... AF-1715-0634
AAR30270 ..... AF-1715-0417
AAR30290 ..... AF-1715-0683
AAR30371 ..... AF-1715-0397
AAR30372 ..... AF-1715-0064
AAR30470 ..... AF-1715-0496
AAR30471 ..... AF-1715-0019
AAR30472 ..... AF-1715-0230
AAR30473 ..... AF-1715-0239
AAR30474 ..... AF-1715-0088
AAR30490 ..... AF-1715-0577
AAR31170E AF-1715-0650
AAR31171W AF-1715-0650
AAR32170C AF-1715-0212
AAR32271F-2 ..... AF-1715-0699
AAR32570-A-1 ..... AF-1715-0378
AAR34270 ..... AF-1715-0573
AAR42172 ..... AF-1717-0012
AAR42173 ..... AF-1717-0012
AAR42370 ..... AF-1704-0165
AAR43171 ..... AF-1704-0013
AAR43171A AF-1704-0088
AAR43171B AF-1704-0088
AAR43171D AF-1717-0006
AAR43171E AF-1717-0006
AAR43270 ..... AF-1704-0078
AAR43270-1 ..... AF-1704-0078
AAR43271 ..... AF-1704-0049
AAR43470 ..... AF-0306-0001
AAR54370 ..... AF-1715-0579
AAR61170 ..... AF-0332-0001
AAR62271 ..... AF-1729-0009
AAR64570 ..... AF-1405-0011
AAR65170 ..... AF-1408-0034
AAR67170 ..... AF-1401-0010
AAR67170-3 ..... AF-1401-0015
AAR68570 ..... AF-1402-0036
AAR68570A AF-1402-0036
AAR73270 ..... AF-1406-0040
AAR73270-1 ..... AF-1406-0040
AAR90270 ..... AF-0709-0023
AAR90370 ..... AF-0705-0001
AAR90370-1 ..... AF-0705-0001
AAR90570 ..... AF-0709-0003
AAR90670 ..... AF-1408-0043
AAR90670-1 ..... AF-1408-0043
AAR90671 ..... AF-1405-0045
AAR90870 ..... AF-0104-0001
AAR90870-1 ..... AF-0104-0001
AAR91570 ..... AF-1405-0045
AAR91570-1 ..... AF-1405-0045

AAX22170 ..... AF-1709-0013

AAY90770 ..... AF-0707-0004
AAY90871 ..... AF-0102-0002
AAY91170 ..... AF-0709-0022

AA20470 ..... AF-1606-0021
AA25100 ..... AF-1715-0683
AA25170 ..... AF-1715-0417
AA25271 ..... AF-1304-0008

AA30170 ..... AF-1715-0067
AA30170X AF-1715-0067
AA30171 ..... AF-1715-0510
AA30173 ..... AF-1715-0324
AA30270 ..... AF-1715-0324
AA30372 ..... AF-1715-0064
AA31170E AF-1715-0650
AA32170C AF-1715-0212
AA32170ED AF-1715-0225
AA32171EC AF-1715-0212
AA32171ED AF-1715-0225

AA42370 ..... AF-1704-0165
AA43171B AF-1704-0088
AA43171D AF-1717-0006
AA45270 ..... AF-1704-0078
AA43271 ..... AF-1704-0049
AA47170 ..... AF-1703-0010

AA64171 ..... AF-1405-0050
AA64174 ..... AF-1405-0021
AA67170 ..... AF-1408-0065
AA67270 ..... AF-1401-0007
AA68170 ..... AF-1406-0015
AA68270 ..... AF-1402-0036
AA68270A AF-1402-0036

AA73270 ..... AF-1406-0040
AA77170 ..... AF-1728-0001
AA81170 ..... AF-1408-0018
AA83270 ..... AF-1402-0036

AA90170 ..... AF-0709-0012
AA90172 ..... AF-0709-0022
AA90270 ..... AF-0709-0023
AA90370 ..... AF-0705-0001
AA90470 ..... AF-0702-0004
AA90670 ..... AF-1408-0043
AA90671 ..... AF-1405-0045
AA90770 ..... AF-0707-0004
AA90870 ..... AF-0104-0001

ABA79130-1(USAF) DD-0504-0001

ABR20430 ..... AF-1606-0059
ABR20430-1 ..... AF-1606-0059
ABR20630 ..... AF-1606-0050
ABR23230 ..... AF-1709-0010
ABR23430 ..... AF-1709-0022
ABR29230-2 ..... AF-1715-0554
ABR29430 ..... AF-1715-0551
ABR30130 ..... AF-1715-0065
ABR30130B AF-1715-0065
ABR30130C AF-1715-0069
ABR30132 ..... AF-1715-0427
ABR30132-1 ..... AF-1715-0427
ABR30134 ..... AF-1715-0027
ABR3033C AF-1715-0406
ABR30330 ..... AF-1715-0121
ABR30331 ..... AF-1715-0488
ABR30332 ..... AF-1715-0687
ABR30332-2 ..... AF-1715-0103
ABR30332-3 ..... AF-1715-0105
ABR30332G AF-1715-0111
ABR303321-1 ..... AF-1715-0118
ABR30430 ..... AF-1715-0489
ABR30430-1 ..... AF-1715-0494
ABR30430A AF-1715-0085
ABR30430D AF-1715-0107
ABR30431 ..... AF-1715-0490
ABR30431B AF-1715-0632
ABR30432 ..... AF-1715-0696
ABR30433A AF-1715-0530
ABR30433B AF-1715-0499
ABR30434 ..... AF-1715-0534
ABR30434-2 ..... AF-1715-0495
ABR30434-4 ..... AF-1715-0534
ABR305XX AF-1402-0014
ABR30531 ..... AF-1715-0018
ABR30531-1 ..... AF-1715-0109
ABR30531-4 ..... AF-1715-0018
ABR30531-5 ..... AF-1715-0110
ABR30531D AF-1715-0018
ABR30531E-1 ..... AF-1715-0701
ABR30532 ..... AF-1715-0061

BEST COPY AVAILABLE

ABR30533-1 ..... AF-1715-0058
ABR30533-3 ..... AF-1715-0016
ABR30533-4 ..... AF-1402-0023
ABR30533-5 ..... AF-1715-0059
ABR30533-8 ..... AF-1715-0057
ABR30630 ..... AF-1715-0174
ABR30630A AF-1715-0102
ABR30630B AF-1715-0174
ABR30630C AF-1715-0174
ABR31130 ..... AF-1715-0326
ABR31130E AF-1715-0635
ABR31130E-2 ..... AF-1715-0325
ABR31130P-1 ..... AF-1715-0508
ABR31130P-2 ..... AF-1715-0327
ABR31130S-2 ..... AF-1715-0481
ABR31131K AF-1715-0308
ABR31131W AF-1715-0635
ABR31230 ..... AF-1715-0293
ABR31230G AF-1715-0162
ABR31230H AF-1715-0292
ABR31230P AF-1715-0506
ABR31230Q AF-1715-0318
ABR31234G AF-1715-0344
ABR31235G AF-1715-0299
ABR31235G-1 ..... AF-1715-0108
ABR31430G AF-1715-0668
ABR31430G-1 ..... AF-1714-0005
ABR31431G AF-1715-0180
ABR31431M AF-1715-0484
ABR31431N AF-1715-0481
ABR31431Y AF-1715-0477
ABR31432 ..... AF-1715-0162
ABR31433M AF-1715-0666
ABR31433N AF-1715-0657
ABR31531Q AF-1715-0649
ABR31533Q-2 ..... AF-1715-0454
ABR31534Q AF-1715-0458
ABR31630F AF-1715-0376
ABR31630G AF-1715-0344
ABR31630G-1 ..... AF-1715-0452
ABR31631F AF-1715-0137
ABR31631L-2 ..... AF-1715-0671
ABR31631L-3 ..... AF-1715-0712
ABR31631N-1 ..... AF-1715-0481
ABR31631N-2 ..... AF-1715-0477
ABR31631Q AF-1715-0649
ABR31632F AF-1715-0166
ABR31632G AF-1715-0456
ABR31632H AF-1715-0461
ABR31730 ..... AF-1715-0719
ABR32130E AF-1715-0267
ABR32130E (TV) AF-1715-0256
ABR32130K AF-1715-0483
ABR32130L AF-1715-0485
ABR32231A-5 ..... AF-1715-0375
ABR32230L AF-1715-0464
ABR32230P AF-1715-0535
ABR32231A AF-1715-0375
ABR32231A-5 ..... AF-1715-0375
ABR32231E-1 ..... AF-1715-0690
ABR32231E-2 ..... AF-1715-0690
ABR32231F-5 ..... AF-1715-0546
ABR32231H AF-1715-0272
ABR32231P AF-1715-0535
ABR32231R AF-1715-0486
ABR32330E AF-1715-0540
ABR33130 ..... AF-1715-0129
ABR34131A AF-1715-0653
ABR34230 ..... AF-1715-0706
ABR34231A AF-1715-0138
ABR34430-1 ..... AF-1715-0216
ABR36130 ..... AF-1714-0015
ABR36231B AF-1715-0713
ABR362322 ..... AF-1715-0102
ABR36233 ..... AF-1715-0713
ABR36234 ..... AF-1715-0048
ABR36330 ..... AF-1715-0132
ABR40230 ..... AF-1715-0291
ABR40330 ..... AF-1715-0001
ABR43330-1 ..... AF-1715-0693
ABR43330A AF-1715-0642
ABR43430 ..... AF-1115-0001
ABR44230F-1 ..... AF-1704-0173
ABR44330Q-1 ..... AF-1715-0693
ABR44330Z-1 ..... AF-1715-0693
ABR53130 ..... AF-1723-0001
ABR53630 ..... AF-1724-0003
ABR54330 ..... AF-1712-0005
ABR54630 ..... AF-1601-0006
ABR54630E AF-1601-0032
ABR54630W AF-1601-0006
ABR55235 ..... AF-1710-0002
ABR55330 ..... AF-1601-0041
ABR56430 ..... AF-1710-0002
ABR56430Z AF-1710-0002
ABR56630 ..... AF-0101-0002
ABR56630B AF-1730-0002
ABR56730B AF-1712-0005
ABR56830A AF-1601-0006
ABR56830B AF-1601-0045
ABR60130 ..... AF-0419-0002
ABR60530 ..... AF-0419-0002
ABR60531 ..... AF-0419-0007
ABR65130 ..... AF-1408-0069
ABR65730 ..... AF-1712-0005
ABR67130 ..... AF-1401-0001
ABR67131 ..... AF-1401-0005
ABR67133 ..... AF-1401-0006
ABR68130 ..... AF-1115-0006
ABR68530 ..... AF-1402-0019
ABR68730 ..... AF-1402-0037
ABR73230 ..... AF-1406-0005
ABR73230-1 ..... AF-1406-0005
ABR77130 ..... AF-1728-0019
ABR81130 ..... AF-1728-0019
ABR90132 ..... AF-0709-0016
ABR90230 ..... AF-0709-0015
ABR90232 ..... AF-0709-0010
ABR90232-1 ..... AF-0709-0010
ABR90330 ..... AF-0705-0002
ABR90330-1 ..... AF-0705-0002
ABR90430 ..... AF-0702-0005
ABR90430-2 ..... AF-0702-0005
ABR90530 ..... AF-0709-0014
ABR90530-1 ..... AF-0709-0014
ABR90630 ..... AF-0799-0004
ABR90630-1 ..... AF-0799-0004
ABR90631 ..... AF-0709-0009
ABR90730 ..... AF-0707-0005
ABR90830 ..... AF-0102-0003
ABR91530-1 ..... AF-0709-0009
ABR99125FL AF-1715-0151
ABR99125Q AF-1715-0152

ABY90130 ..... AF-0709-0024
ABY90730 ..... AF-0707-0005
ABY91130 ..... AF-0709-0016
ABY91332 ..... AF-0709-0021

AB20430 ..... AF-1606-0059
AB20431 ..... AF-1606-0050
AB20630 ..... AF-1606-0050
AB23130 ..... AF-1709-0005
AB23230 ..... AF-1709-0010
AB23331 ..... AF-1709-0011
AB25130 ..... AF-1715-0412
AB25230 ..... AF-1304-0001
AB25231 ..... AF-1304-0001

AB30130-1 ..... AF-1715-0069
AB30130-2 ..... AF-1715-0341
AB30130A-2 ..... AF-1715-0066
AB30130B AF-1715-0065
AB30130B-2 ..... AF-1715-0065
AB30130C AF-1715-0069
AB30132A AF-1715-0025
AB30132B AF-1715-0029
AB30330 ..... AF-1715-0121
AB30331A AF-1715-0488
AB30331B AF-1715-0422
AB30332-F AF-1715-0060
AB30332A AF-1715-0104
AB30332B AF-1715-0118
AB30332C AF-1715-0103
AB30332C-1 ..... AF-1715-0103
AB30332C-2 ..... AF-1715-0115
AB30332D AF-1715-0023
AB30332E AF-1715-0020
AB30332G AF-1715-0111

AB30430 ..... AF-1715-0705
AB30430-1 ..... AF-1715-0347
AB30430-2 ..... AF-1715-0350
AB30431A AF-1715-0253
AB30432B AF-1715-0498
AB30433A AF-1715-0530
AB30433B AF-1715-0499
AB32130F AF-1715-0428
AB32130J AF-1715-0268
AB32130K AF-1715-0483
AB32230E AF-1715-0201
AB32230G AF-1715-0258
AB32230K AF-1715-0688
AB32230M AF-1715-0204
AB32231 ..... AF-1715-0708
AB32231A AF-1715-0375
AB32231E AF-1715-0690
AB32330B AF-1715-0041
AB32330C AF-1715-0040
AB33130 ..... AF-1715-0169
AB33130-A AF-1715-0149
AB33130-B AF-1714-0004
AB33130-1 ..... AF-1714-0004
AB33130-2 ..... AF-1715-0149
AB33130A AF-1715-0169
AB33230 ..... AF-1715-0167
AB33231 ..... AF-1715-0163
AB34141A AF-1715-0653
AB34330B AF-1715-0274
AB36130 ..... AF-1714-0015

AB40132 ..... AF-1715-0001
AB40230 ..... AF-1715-0291

AB53130 ..... AF-1723-0001
AB56430 ..... AF-1710-0002
AB56730 ..... AF-1712-0005
AB56830 ..... AF-1601-0006
AB58230 ..... AF-1716-0001

AB60130 ..... AF-0419-0002
AB60132 ..... AF-0419-0007
AB60230 ..... AF-0419-0025
AB60231 ..... AF-0419-0009
AB62130 ..... AF-1729-0008
AB67130 ..... AF-1401-0001
AB67230 ..... AF-1401-0003
AB68130 ..... AF-1115-0006

AB73230 ..... AF-1406-0005
AB73231 ..... AF-1406-0005
AB77130 ..... AF-1728-0019

AB81130 ..... AF-1408-0019

AB90130 ..... AF-0709-0016
AF-0709-0024
AB90230 ..... AF-0709-0015
AB90430 ..... AF-0702-0005
AB90530 ..... AF-0709-0014
AB90630 ..... AF-0799-0004
AB90631 ..... AF-0709-0009
AF-0799-0004
AB90730 ..... AF-0707-0005
AB90830 ..... AF-0102-0003
AB96150 ..... AF-1728-0019
AB99025A AF-1715-0150
AB99025FL AF-1715-0151

AF34220 ..... AF-1715-0706

AIR75100-1 ..... AF-1406-0030
AIR75100-2 ..... AF-1406-0030
AIR75100-3 ..... AF-1406-0030
AIR75100-4 ..... AF-1406-0030
AIR75100-6 ..... AF-1406-0030
AIR75330 ..... AF-2203-0001
AIR99128 ..... AF-1512-0002

ALR23231 ..... AF-1709-0023
ALR23430-1 ..... AF-1709-0023
ALR24130 ..... AF-0802-0016
ALR24130A AF-0802-0016
ALR24230 ..... AF-0802-0002
ALR25330 ..... AF 1304-0002
ALR27332 ..... AF-1715-0587

BEST COPY AVAILABLE

ALR30174 ..... AF-1715-0203
ALR30950 ..... AF-1113-0001
ALR31234G-3 ..... AF-1715-0345
ALR31433M AF-1715-0667
ALR31434M AF-1715-0646
ALR31434N AF-1715-0641
ALR31453M AF-1715-0667
ALR31530F AF-1715-0646
ALR31630G AF-1715-0345
ALR31652N AF-1715-0641
ALR32271 ..... AF-1715-0261
ALR32430 ..... AF-1715-0032
ALR32430-1 ..... AF-1715-0033
ALR32470 ..... AF-1715-0032
ALR43174 ..... AF-1704-0027
ALR43330 ..... AF-1408-0032
ALR43430 ..... AF-1115-0001
ALR43550C AF-1704-0027
ALR43570 ..... AF-1704-0027
ALR45130 ..... AF-1601-0001
ALR55630 ..... AF-1408-0035
ALR64830A AF-1402-0005
ALR65130 ..... AF-1408-0069
ALR67230 ..... AF-1408-0017
ALR68330 ..... AF-1408-0009
ALR73331 ..... AF-1408-0012
ALR75330 ..... AF-2203-0001

AL25330 ..... AF-1304-0002

AL31130E AF-1715-0650
AL32231E AF-1715-0589

AL43174 ..... AF-1704-0027
AL45130 ..... AF-1601-0001
AL46172 ..... AF-0802-0004

AL73330 ..... AF-1406-0004

AL80170 ..... AF-1406-0004
AL80270 ..... AF-1601-0001

ASA62470 ..... AF-1729-0007

ATC56450-2 ..... AF-1710-0001

ATS 72151-1 ..... AF-0505-0001
ATS24170-2 ..... AF-0802-0007
ATS30472-3 ..... AF-1715-0198
ATS30551B-3 ..... AF-1715-0348
ATS30571-34 ..... AF-1715-0266
ATS31170P-2 ..... AF-1704-0126
ATS47000-1 ..... AF-1405-0049
ATS53270-3 ..... AF-1724-0002
ATS54270D-1 ..... AF-1715-0312
ATS56150-4 ..... AF-1715-0307
ATS56150-9 ..... AF-1715-0312
ATS56450-2 ..... AF-1710-0001
ATS65150-1 ..... AF-1405-0020
ATS68570B-1 ..... AF-1402-0040

AZA72151-1 ..... DD-0505-0001

AZR20670 ..... AF-1606-0051
AZR24130B AF-0802-0008
AZR24230 ..... AF-0802-0001
AZR25251-1 ..... AF-1304-0005
AZR27370A-14 ..... AF-1715-0587
AZR30450 ..... AF-1715-0079
AZR30453-1 ..... AF-1715-0079
AZR30472 ..... AF-1715-0561
AZR30473 ..... AF-1715-0039
AZR30474 ..... AF-1715-0561
AZR31651N-2 ..... AF-1715-0477
AZR31672H-1 ..... AF-1402-0055
AZR42153-1 ..... AF-1704-0143
AZR43270-9 ..... AF-1717-0001
AZR45170 ..... AF-1408-0007
AZR46150 ..... AF-0802-0001
AZR47151-1 ..... AF-1703-0017
AZR47170 ..... AF-1405-0049
AZR53150-1 ..... AF-1723-0002
AZR53250-1 ..... AF-1724-0004
AZR54450-1 ..... AF-1730-0013
AZR55150 ..... AF-1710-0007
AZR55255Y AF-1710-0001
AZR61170 ..... AF-0406-0001
AZR62271 ..... AF-1729-0009
AZR64270 ..... AF-0406-0001
AZR64270-1 ..... AF-0406-0001
AZR65170-3 ..... AF-1408-0033
AZR67152 ..... AF-1408-0017
AZR67170 ..... AF-1401-0016
AZR68370 ..... AF-1408-0009
AZR68550 ..... AF-1402-0015
AZR68670 ..... AF-1402-0040
AZR68750 ..... AF-1402-0008
AZR68750-1 ..... AF-1402-0011
AZR68750-2 ..... AF-1402-0007
AZR68750-3 ..... AF-1402-0013
AZR75100 ..... AF-1406-0024
AZR90237 ..... AF-0709-0019
AZR90450 ..... AF-0702-0007
AZR99120 ..... AF-1406-0006

AZY91270 ..... AF-0706-0001

A435X0C-1 ..... AF-1704-0031
A43570C-4 ..... AF-1704-0033

B-V7A-A AF-1606-0080
B-V7A-D AF-1606-0084
B-V7A-S AF-1606-0080
B-V7A-S-O AF-1606-0080
B-V7C-F AF-1715-0529
B-V7D-A AF-1406-0039

CRI-1 ..... AF-1406-0009

CY-155 ..... DD-1404-0005
CY-200 ..... DD-1404-0001
CY-300 ..... DD-1404-0004
CY-500 ..... DD-1404-0002
CY-600 ..... DD-1404-0003

EA-280 ..... DD-1715-0016
EA-380 ..... DD-1715-0017

EM-144 ..... DD-1715-0001
EM-212 ..... DD-1715-0002
EM-213 ..... DD-1715-0003
EM-327 ..... DD-1715-0004

ES-319 ..... DD-1715-0005
ES-323 ..... DD-1715-0006
ES-402 ..... DD-1715-0007
ES-403 ..... DD-1715-0008
ES-404 ..... DD-1715-0009
ES-408 ..... DD-1715-0010
ES-411 ..... DD-1715-0011
ES-412 ..... DD-1715-0015
ES-440 ..... DD-1715-0012
ES-445 ..... DD-1715-0013
ES-446 ..... DD-1715-0014

F-V5A-A AF-1406-0021
F-V5A-B AF-1406-0010
F-V5C-B AF-1406-0011
F-V5C-B-O AF-1406-0011
F-V5F-G-O AF-1606-0091
F-V5G-A AF-1606-0011
F-V5G-G AF-1406-0029
F-V5H-A AF-1606-0117
F-V5H-A-0 ..... AF-1606-0117

F111507Q AF-1406-0021

G5ABA7931-001 ..... DD-0505-0001

H1P1 ..... AF-1606-0131
H1P2 ..... AF-1606-0131

H3FM1 ..... AF-1606-0037
H3FM2 ..... AF-1606-0037

H3P1 ..... AF-1606-0036
H3P2 ..... AF-1606-0036

H53M1 ..... AF-1606-0064
H53M2 ..... AF-1606-0064
H53P1 ..... AF-1606-0065
H53P2 ..... AF-1606-0065

I-A293X31 ..... AF-1606-0149
I-A435X0A1 ..... AF-1606-0149
I-A607706 ..... AF-1606-0149

I-HC130FE1 ..... AF-1606-0149
I-HC130LM1 ..... AF-1606-0149
I-HC130N1 ..... AF-1606-0149
I-HC130P1 ..... AF-1606-0149
I-HC130RO1 ..... AF-1606-0149

I-1035B1 ..... AF-1606-0149
I-1535Z1 ..... AF-1606-0149

IHIPF AF-1606-0063
IHIPFA AF-1606-0063
IHIPN AF-1606-0063
IHIPNA AF-1606-0063

IH3PI AF-1606-0063
IH3P2/3 ..... AF-1606-0063

IH53P1 ..... AF-1606-0063
IH53P2 ..... AF-1606-0063
IH53P3 ..... AF-1606-0063

IT75100 ..... AF-1406-0030
IT75100-1 ..... AF-1406-0030
IT75100-4 ..... AF-1406-0030
IT75100-6 ..... AF-1406-0030

I104500H AF-1606-0011

I111501Q AF-1606-0011

LMDC 400 ..... AF-1408-0004
LMDC 501 ..... AF-1406-0033
LMDC 900 ..... AF-2203-0007

N-V-6A-B AF-1606-0145
N-V6A-D AF-1606-0145
N-V6A-F AF-1606-0145

OAR1611 ..... AF-1704-0010
OAR3011 ..... AF-1408-0048
OAR4311 ..... AF-1717-0002
OAR4611 ..... AF-1717-0024
OAR6011 ..... AF-0419-0012
OAR6411 ..... AF-1405-0052
OAR6411-1 ..... AF-1405-0052
OAR6731 ..... AF-1408-0061
OAR6891 ..... AF-1408-0063
OAR7311 ..... AF-1406-0031

OAY9755 ..... AF-0703-0009

OA3011 ..... AF-1408-0048

OA4311 ..... AF-1717-0002

OA6411 ..... AF-1405-0052
OA6731 ..... AF-1408-0061
OA6741 ..... AF-1408-0063
OA6891 ..... AF-1408-0063

OA7311 ..... AF-1408-0028

OBM0104 ..... AF-1408-0040

OBR-3121G-1 ..... AF-1717-0019
OBR1631 ..... AF-1704-0002
OBR1741D AF-1715-0721
OBR1821 ..... AF-1715-0663
OBR1821-1 ..... AF-1715-0133
OBR1821-2 ..... AF-1715-0658
OBR1821B AF-1715-0663
OBR1821C-2 ..... AF-1715-0658
OBR1821F AF-1715-0692
OBR1821N AF-1715-0658
OBR2041 ..... AF-1709-0021
OBR2331 ..... AF-1709-0006
OBR3031 ..... AF-1715-0474
OBR3041 ..... AF-1715-0588
OBR3041A AF-1715-0588
OBR3041B AF-1715-0588
OBR3061 ..... AF-1715-0722
OBR3121-3 ..... AF-1715-0663
OBR3121B-1 ..... AF-1715-0647
OBR3121B-2 ..... AF-1715-0638
OBR3121F AF-1715-0692
OBR3121G AF-1715-0647
AF-1717-0016

BEST COPY AVAILABLE

OBR3121G-1 ..... AF-1717-0016
OBR3121G-2 ..... AF-1715-0343
OBR3121H AF-1715-0343
AF-1715-0638
OBR3231A-1 ..... AF-1715-0497
OBR3231B AF-1715-0536
OBR3231C AF-1715-0323
OBR3251A AF-1405-0047
OBR3271 ..... AF-1715-0545
OBR4341 ..... AF-1717-0003
OBR4381 ..... AF-1717-0021
OBR4621 ..... AF-1715-0545
OBR4721 ..... AF-1405-0019
OBR6021 ..... AF-0419-0010
OBR6031 ..... AF-0419-0005
OBR6041 ..... AF-0419-0010
OBR6421 ..... AF-1405-0008
OBR6531 ..... AF-1405-0055
OBR6621 ..... AF-1405-0055
OBR6721 ..... AF-1401-0009
OBR6831 ..... AF-1402-0001
OBR6851 ..... AF-1402-0046
OBR6891 ..... AF-1408-0063
OBR7321 ..... AF-1406-0036
OBR7321-1 ..... AF-1406-0036
OBR7431 ..... AF-1115-0007
OBR7721 ..... AF-1728-0018
OBR8041 ..... AF-1709-0021
OBR8051 ..... AF-1606-0052
OBR8051-1 ..... AF-1606-0052
OBR8121 ..... AF-1728-0018
OBR9021 ..... AF-0799-0005
OBR9121 ..... AF-0707-0001
OBR9151 ..... AF-0702-0003

OBY9121 ..... AF-0707-0003
OBY9161 ..... AF-0709-0017

OB1631 ..... AF-1704-0002

OB2041 ..... AF-1709-0021
OB2041-1 ..... AF-1709-0021
OB2051 ..... AF-1606-0052
OB2051-1 ..... AF-1606-0052
OB2331 ..... AF-1709-0026

OB3031A AF-1715-0548
OB3041 ..... AF-1715-0588
OB3041A AF-1717-0008
OB3051 ..... AF-1715-0323
OB3051B AF-1715-0323
OB3200 ..... AF-1715-0290
OB3221 ..... AF-1715-0648
OB3221C-1 ..... AF-1715-0648
OB3231A AF-1715-0497
OB3231B AF-1715-0536
OB3251 ..... AF-1405-0047
OB3271 ..... AF-1715-0545

OB4381 ..... AF-1717-0021

OB6021 ..... AF-0419-0010
OB6031 ..... AF-0419-0005
OB6421 ..... AF-1405-0008
OB6441 ..... AF-1405-0048
OB6621 ..... AF-1405-0055
OB6771 ..... AF-1401-0014
OB6781 ..... AF-1401-0013
OB6831 ..... AF-1402-0001
OB6871 ..... AF-1401-0013
OB6881 ..... AF-1401-0008

OB7321 ..... AF-1406-0036
OB7341 ..... AF-1408-0023
OB7721 ..... AF-1728-0018

OC-00100 ..... AF-2203-0040

OLY9761 ..... AF-0703-0008

OL7331 ..... AF-1406-0035

OTC3044-5 ..... AF-1715-0037

OTS3044-4 ..... AF-1715-0672
OTS6444-1 ..... AF-0406-0001
OTS6451-1 ..... AF-1405-0034
OTS6631-1 ..... AF-1405-0056
OTS6854-1 ..... AF-1402-0039
OTS8041-1 ..... AF-1709-0017
OTS8044-1 ..... AF-1606-0047
OTS8054 ..... AF-1606-0054

OZR0005 ..... AF-1402-0058
OZR0066-2 ..... AF-1717-0023
OZR0076 ..... AF-1402-0058
OZR0123 ..... AF-1402-0058
OZR0123-3 ..... AF-1402-0057
OZR1821B AF-1715-0651
AF-1715-0715
OZR1821C AF-1715-0651
OZR1945 ..... AF-0802-0009
OZR2331 ..... AF-1709-0024
OZR2334 ..... AF-1709-0001
OZR2335 ..... AF-1709-0001
OZR3044-6 ..... AF-1715-0672
OZR3044D AF-1715-0672
OZR3121B-1 ..... AF-1715-0651
OZR3121B-3 ..... AF-1715-0715
OZR3121C AF-1715-0651
OZR3121D-1 ..... AF-1717-0015
OZR3121G AF-1717-0017
OZR3121G-1 ..... AF-1717-0015
OZR3121G-2 ..... AF-1717-0018
OZR4341 ..... AF-1717-0011
OZR4341-2 ..... AF-1704-0083
OZR4344 ..... AF-1408-0006
OZR6411.1 ..... AF-1729-0007
OZR6534-1 ..... AF-1405-0029
OZR6834 ..... AF-1402-0039
OZR8011 ..... AF-1606-0048
OZR9711 ..... AF-0703-0003

OZY9700 ..... AF-0703-0008

O4M0101 ..... AF-2203-0040

P-V4A-A AF-1606-0022
P-V4B-T AF-1606-0003

P-00-3306 ..... DD-1408-0005

P-16-2002 ..... DD-1408-0005

S-V8D-A AF-1406-0041
S-V8E-A AF-1606-0127
S-V80-A AF-0803-0003
S-V81-A AF-0802-0018
S-V85-A AF-0803-0003

SAM-C-11 ..... DD-1408-0001
SAM-0 ..... DD-0327-0001

SS32171F-2 ..... AF-1715-0617

SS46150-11 ..... AF-0802-0001

SS67170-2 ..... AF-1408-0062
SS6884 ..... AF-1401-0004

SS99020 ..... AF-1406-0006

USMC-570 ..... DD-0505-0001

XX25251-1A AF-1304-0003

XX4344 ..... AF-1408-0006
XX46132 ..... AF-0802-0004

XX99020 ..... AF-1406-0006

ZZ29334 ..... AF-1715-0382

ZZ30134 ..... AF-1715-0382
ZZ3021OZ AF-1715-0529
ZZ302101 ..... AF-1715-0564
ZZ302102 ..... AF-1715-0449

10-AF-62470 ..... AF-1729-0007

1025C-F AF-1606-0131
1025C-1 ..... AF-1606-0128
1025D AF-1606-0066
1025D-0 ..... AF-1606-0138
1025D-1 ..... AF-1606-0139
1025D-3 ..... AF-1606-0140
1025DAF AF-1606-0066
1025DAN AF-1606-0066
1025D7 ..... AF-1606-0131
1025D7A AF-1606-0131
1025D8 ..... AF-1606-0131
1025D8A AF-1606-0131
1025E-1 ..... AF-1606-0036
1025E-2 ..... AF-1606-0036
1025E1 ..... AF-1606-0066
1025E2/3 ..... AF-1606-0066
1025F-1 ..... AF-1606-0036
1025F-2 ..... AF-1606-0036
1025F1 ..... AF-1606-0066
1025F2 ..... AF-1606-0066

104140Z AF-1606-0020

105400-1 ..... AF-1606-0143

111103 ..... AF-1606-0022
1111038 ..... AF-1606-0022
1111085 ..... AF-1606-0117

112101-1 ..... AF-1606-0110

11350C AF-1704-0094

120010 ..... AF-1406-0009

130 ..... AF-1405-0027

140000 ..... AF-0303-0003
140001 ..... AF-0202-0018

142 ..... AF-1408-0003

144 ..... AF-1408-0010

145 ..... AF-1408-0008

150 ..... AF-1405-0035

152103 ..... AF-1606-0106
152103A AF-1606-0106
152104A AF-1606-0106
152105 ..... AF-1606-0106
152106B AF-1606-0080

153101 ..... AF-1606-0145
153103 ..... AF-1715-0621
153104R AF-1606-0090
153130 ..... AF-1606-0145
153132 ..... AF-1606-0145
153138 ..... AF-1606-0145

156103 ..... AF-1606-0045

157104 ..... AF-1715-0529
157105 ..... AF-1715-0529

160 ..... AF-0326-0001

172 ..... AF-1408-0025

175 ..... AF-0326-0003

178 ..... AF-1408-0059

188 ..... AF-1115-0005

189 ..... AF-1115-0004

191 ..... AF-1408-0016

2AAR32570A AF-1715-0378

2ASR23651-003 ..... AF-1709-0002
2ASR30151-4 ..... AF-1402-0022
2ASR30451-13 ..... AF-1715-0002
2ASR30573-4 ..... AF-1715-0062
2ASR56650-2 ..... AF-0101-0004
2ASR73370-1 ..... AF-1406-0032

2OSR0009 ..... AF-1513-0001
2OSR0123-3 ..... AF-1402-0052

210 ..... AF-1408-0013

212 ..... AF-1717-0025

25150 ..... AF-1304-0013

BEST COPY AVAILABLE

269 ..... AF-1408-0059

279 ..... AF-1408-0014

28-A5522 ..... DD-0505-0002
28-E-1 ..... DD-0504-0004
DD-0504-0005
28-E-2 ..... DD-0504-0008
28-G-5505 ..... DD-0504-0009
28-O-5 ..... DD-0504-0007
28-O-6 ..... DD-0504-0006
28-R-F1 ..... DD-0504-0002
28-R-701.1 ..... DD-0504-0001
DD-0504-0004
28-R-703.1 ..... DD-0504-0004
DD-0505-0001
28-R-703.2 ..... DD-0504-0004
DD-0505-0001

29130 ..... AF-0504-0004
29150 ..... AF-0504-0003

29353 ..... AF-0504-0002

3AAR25271 ..... AF-1304-0008
3AAR30100 ..... AF-1715-0634
3AAR30300 ..... AF-1715-0367
3AAR30400 ..... AF-1715-0577
3AAR30500 ..... AF-1402-0050
3AAR34270 ..... AF-1715-0573
3AAR39170 ..... AF-0306-0001
3AAR42173 ..... AF-1717-0012
3AAR42370 ..... AF-1704-0165
3AAR43270-1 ..... AF-1704-0078
3AAR43470 ..... AF-0306-0001
3AAR54370 ..... AF-1715-0579
3AAR62271 ..... AF-1729-0009
3AAR65170-1 ..... AF-1408-0034
3AAR68570 ..... AF-1402-0036
3AAR81170 ..... AF-1728-0028
3AAR90570-1 ..... AF-0709-0003
3AAR90670-1 ..... AF-1408-0043
3AAR90870-1 ..... AF-0104-0001
3AAR98370 ..... AF-0701-0006

3ABR20530 ..... AF-1715-0551
3ABR20630 ..... AF-1709-0015
3ABR20630-1 ..... AF-1606-0059
3ABR23332 ..... AF-1709-0025
3ABR23334 ..... AF-1709-0018
3ABR23430 ..... AF-1709-0022
3ABR23631 ..... AF-1709-0020
3ABR25231 ..... AF-1304-0001
3ABR29430 ..... AF-1715-0551
3ABR30132 ..... AF-1715-0427
3ABR30130 ..... AF-1715-0065
3ABR30133 ..... AF-1715-0532
3ABR30134 ..... AF-1715-0027
3ABR30135A AF-1715-0479
3ABR30135B AF-1715-0478
3ABR30231 ..... AF-1715-0453
3ABR30331 ..... AF-1715-0488
3ABR30332 ..... AF-1715-0687
3ABR30333 ..... AF-1715-0368
3ABR30431 ..... AF-1715-0490
3ABR30430 ..... AF-1715-0489
3ABR30431 ..... AF-1715-0490
3ABR30434 ..... AF-1715-0534
3ABR30434-1 ..... AF-1715-0491
3ABR30436 ..... AF-1715-0480
3ABR30531-6 ..... AF-1715-0441
3ABR30533A-1 ..... AF-1715-0058
3ABR30533C AF-1715-0677
3ABR30534A-1 ..... AF-1715-0058
3ABR30534B AF-1715-0598
3ABR30534B-1 ..... AF-1715-0443
3ABR30534B-2 ..... AF-1715-0441
3ABR30534C AF-1715-0447
3ABR30630 ..... AF-1715-0174
3ABR30630F AF-1715-0351
3ABR31630F AF-1715-0376
3ABR31630G AF-1715-0344
3ABR31630G-1 ..... AF-1715-0452
3ABR31631F AF-1715-0137
3ABR31631L-2 ..... AF-1715-0671
3ABR31631L-3 ..... AF-1715-0712
3ABR31631N-1 ..... AF-1715-0481
3ABR31631Q AF-1715-0649
3ABR31632F AF-1715-0166
3ABR31632G-1 ..... AF-1715-0711
3ABR31632H AF-1715-0461
3ABR31632Q AF-1715-0458
3ABR32130K AF-1715-0483
3ABR32130L AF-1715-0485
3ABR32231A AF-1715-0375
3ABR32231A-5 ..... AF-1715-0375
3ABR32231F-5 ..... AF-1715-0546
3ABR32231P AF-1715-0535
3ABR32231Q AF-1715-0610
3ABR32231R-4 ..... AF-1715-0486
3ABR32231S AF-1715-0538
3ABR32330E AF-1715-0540
3ABR32330G AF-1715-0482
3ABR32430 ..... AF-1715-0032
3ABR32430-1 ..... AF-1715-0033
3ABR32430-2 ..... AF-1715-0032
3ABR32530-1 ..... AF-1715-0460
3ABR32630 ..... AF-1715-0537
3ABR32631A AF-1715-0476
3ABR32631B AF-1715-0609
3ABR32632A AF-1715-0210
3ABR32830 ..... AF-1715-0492
3ABR32832 ..... AF-1715-0533
3ABR32833 ..... AF-1715-0532
3ABR32834 ..... AF-1715-0027
3ABR32930A AF-1715-0475
3ABR32930B AF-1715-0478
3ABR34230 ..... AF-1715-0706
3ABR34231A AF-1715-0138
3ABR34330-2 ..... AF-1715-0455
3ABR36130 ..... AF-1714-0015
3ABR36233 ..... AF-1715-0713
3ABR36234 ..... AF-1715-0048
3ABR36330 ..... AF-1715-0132
3ABR39130 ..... AF-1115-0001
3ABR40230 ..... AF-1715-0291
3ABR40330-2 ..... AF-1715-0001
3ABR40430 ..... AF-1715-0028
3ABR42153-1 ..... AF-1704-0143
3ABR43430 ..... AF-1115-0001
3ABR44230F-1 ..... AF-1704-0173
3ABR44330Q AF-1715-0693
3ABR47231-1 ..... AF-1703-0005
3ABR47330 ..... AF-1703-0006
AF-1703-0007
3ABR51130 ..... AF-1402-0019
3ABR53130 ..... AF-1723-0001
3ABR53630 ..... AF-1724-0003
3ABR54130G AF-1715-0637
3ABR54330 ..... AF-1712-0005
3ABR54630 ..... AF-1601-0006
3ABR54630-1 ..... AF-1601-0006
3ABR55235 ..... AF-1710-0002
3ABR55330 ..... AF-1601-0041
3ABR56330 ..... AF-1732-0001
3ABR56630 ..... AF-0101-0003
3ABR58230 ..... AF-1716-0001
3ABR60530 ..... AF-0419-0002
3ABR62230 ..... AF-1729-0002
3ABR62230-1 ..... AF-1729-0002
3ABR62231 ..... AF-0709-0001
3ABR62231-1 ..... AF-0709-0001
3ABR65130-1 ..... AF-1408-0069
3ABR67131 ..... AF-1401-0005
3ABR67133 ..... AF-1401-0006
3ABR68530 ..... AF-1402-0019
3ABR68730 ..... AF-1402-0037
3ABR69130 ..... AF-1408-0009
3ABR73230 ..... AF-1406-0005
3ABR73230-1 ..... AF-1406-0005
3ABR75330 ..... AF-2203-0001
3ABR81130 ..... AF-1728-0019
3ABR81130-1 ..... AF-1728-0008
3ABR90230 ..... AF-0709-0015
3ABR90330 ..... AF-0705-0002
3ABR90530 ..... AF-0709-0014
3ABR90630 ..... AF-0799-0004
3ABR90830 ..... AF-0102-0003
3ABR91235 ..... AF-0706-0002
3ABR91330 ..... AF-0704-0002
3ABR91530 ..... AF-0709-0009
3ABR98230 ..... AF-0701-0016

3AIR75100-X AF-1406-0030
3AIR75100-2 ..... AF-1406-0030
3AIR75100-4 ..... AF-1406-0030
3AIR75100-5 ..... AF-1406-0030
3AIR75100-6 ..... AF-1406-0030
3AIR99128 ..... AF-1512-0002

3ALR23430-1 ..... AF-1709-0023
3ALR24230 ..... AF-0802-0002
3ALR25330 ..... AF-1304-0002
3ALR27631 ..... AF-1715-0721
3ALR30150A-1 ..... AF-1715-0709
3ALR30174-3 ..... AF-1402-0024
3ALR30554 ..... AF-1715-0448
3ALR30630F AF-1715-0119
3ALR31652N AF-1715-0641
3ALR32130R AF-1715-0006
3ALR32570-2 ..... AF-1715-0004
3ALR32850A-1 ..... AF-1715-0709
3ALR43330 ..... AF-1408-0032
3ALR43550C AF-1704-0027
3ALR43550C-1 ..... AF-1606-0032
3ALR55430 ..... AF-0331-0001
3ALR55530-3 ..... AF-1717-0009
3ALR64830-1 ..... AF-1402-0005
3ALR64830A-1 ..... AF-1402-0005
3ALR66130 ..... AF-1405-0003
3ALR67230 ..... AF-1408-0017
3ALR69130 ..... AF-1408-0009
3ALR70530 ..... AF-1728-0026
3ALR73331 ..... AF-1408-0012
3ALR75330 ..... AF-2203-0001
3ALR98131 ..... AF-0701-0008
3ALR98330 ..... AF-0701-0005

3AQR30520-3 ..... AF-1715-0030
3AQR90010 ..... AF-0703-0097

3ARR60550 ..... AF-0419-0022

3AZR06789-2 ..... AF-1402-0066
3AZR06789-1 ..... AF-1402-0002
3AZR20450-3 ..... AF-1402-0043
3AZR20650-1 ..... AF-1709-0014
3AZR22351 ..... AF-0202-0001
3AZR23651 ..... AF-1709-0004
3AZR24230 ..... AF-0802-0001
3AZR2470-7 ..... AF-1721-0007
3AZR25251-1 ..... AF-1304-0005
3AZR25271 ..... AF-1408-0044
3AZR27370-D AF-1402-0061
3AZR30070-001 ..... AF-1715-0044
3AZR30070-003 ..... AF-1715-0042
3AZR30154-1 ..... AF-1715-0022
3AZR30454-8 ..... AF-1715-0072
3AZR30551-2 ..... AF-1715-0110
3AZR30554-10 ..... AF-1715-0392
3AZR3165N-2 ..... AF-1715-0477
3AZR31672G-1 ..... AF-1715-0714
3AZR32470-11 ..... AF-1715-0549
3AZR32470-12 ..... AF-1715-0181
3AZR32470-5 ..... AF-1715-0168
3AZR34250 ..... AF-1402-0062
3AZR47000 ..... AF-0419-0019
3AZR47350-1 ..... AF-1703-0017
3AZR47350-2 ..... AF-1703-0008
3AZR47350-3 ..... AF-1703-0012
3AZR51150 ..... AF-1402-0015
3AZR51151-1 ..... AF-1402-0011
3AZR51151-4 ..... AF-1402-0033
3AZR51170 ..... AF-1402-0038
3AZR51172 ..... AF-1402-0040
3AZR53150-1 ..... AF-1723-0002
3AZR55150 ..... AF-1710-0007
3AZR56650 ..... AF-0101-0001
3AZR65170-2 ..... AF-1408-0033
3AZR65170-5 ..... AF-1408-0042
3AZR65170-6 ..... AF-1408-0033
3AZR66000 ..... AF-1405-0039
3AZR67170 ..... AF-1401-0016
3AZR67170-10 ..... AF-1402-0004
3AZR68550 ..... AF-1402-0015

BEST COPY AVAILABL

3AZR68670 ..... AF-1402-0040
3AZR68750 ..... AF-1402-0008
3AZR68750-2 ..... AF-1402-0007
3AZR68750-3 ..... AF-1402-0013
3AZR68770-1 ..... AF-1402-0049
3AZR68770-2 ..... AF-1402-0061
3AZR71570 ..... AF-1405-0045
3AZR73270-6 ..... AF-1402-0060
3AZR75100 ..... AF-1406-0024
3AZR75173-1 ..... AF-1406-0028
3AZR81170 ..... AF-1728-0028
3AZR81271-1 ..... AF-1728-0004
3AZR81291 ..... AF-1728-0016
3AZR90270-1 ..... AF-0709-0023
3AZR90670 ..... AF-0902-0001
3AZR90870-2 ..... AF-0709-0018
3AZR91370 ..... AF-0704-0001
3AZR98270-4 ..... AF-0701-0010
3AZR98270-6 ..... AF-0701-0012
3AZR99120 ..... AF-1406-0003
3AZR99120-2 ..... AF-1406-0038

3OAR3001 ..... AF-1715-0550
3OAR3211 ..... AF-1408-0049
3OAR4000 ..... AF-1408-0049
3OAR4311 ..... AF-1717-0002
3OAR4611 ..... AF-1717-0024
3OAR6011 ..... AF-0419-0012
3OAR6411-1 ..... AF-1405-0052
3OAR6711 ..... AF-1408-0002
3OAR7311 ..... AF-1406-0031
3OAR8111 ..... AF-1728-0007
3OAR9025 ..... AF-1408-0068

3OBR0121 ..... AF-1402-0048
3OBR1631 ..... AF-1704-0002
3OBR1821F AF-1715-0692
3OBR2021 ..... AF-1303-0001
3OBR2331 ..... AF-1709-0006
3OBR3031 ..... AF-1715-0474
3OBR3041 ..... AF-1715-0588
3OBR3051-1 ..... AF-1715-0260
3OBR3061 ..... AF-1715-0722
3OBR3121F AF-1715-0692
3OBR3121G AF-1717-0016
3OBR3121H AF-1715-0343
3OBR3231 ..... AF-1715-0359
3OBR3231A-1 ..... AF-1715-0497
3OBR3231B AF-1715-0536
3OBR4021 ..... AF-1717-0003
AF-1717-0004
3OBR4021-1 ..... AF-1717-0014
3OBR4041 ..... AF-1715-0359
3OBR4041-1 ..... AF-1717-0004
3OBR4341 ..... AF-1717-0003
3OBR5141 ..... AF-1402-0035
3OBR5151 ..... AF-1402-0046
3OBR6021 ..... AF-1405-0019
3OBR6041 ..... AF-0419-0010
3OBR6421-1 ..... AF-1405-0008
3OBR6531-1 ..... AF-1405-0055
3OBR6531-2 ..... AF-1405-0038
3OBR6531-3 ..... AF-1405-0015
3OBR6531-4 ..... AF-1408-0051
3OBR6531-5 ..... AF-1405-0017
AF-1405-0037
3OBR6531-6 ..... AF-1405-0043
3OBR6621 ..... AF-1405-0026
3OBR6731 ..... AF-1408-0061
3OBR6851 ..... AF-1402-0046
3OBR6921 ..... AF-1408-0063
3OBR7000 ..... AF-1408-0067
3OBR7321 ..... AF-1406-0036
3OBR7341 ..... AF-1408-0064
3OBR7461 ..... AF-1115-0007
3OBR8041 ..... AF-1606-0061
3OBR8051-1 ..... AF-1606-0052
3OBR8051-2 ..... AF-1606-0055
3OBR8051-3 ..... AF-1606-0001
3OBR8061 ..... AF-1606-0056
3OBR8121 ..... AF-1728-0018
3OBR9021-1 ..... AF-1401-0017

3OIR0904-1 ..... AF-1406-0027
3OIR7531-1 ..... AF-1406-0027

3OLR1741D AF-1715-0721
3OLR3061 ..... AF-1402-0031

3OQR6500 ..... AF-1408-0057

3OZR0008 ..... AF-1512-0003
3OZR0123-1 ..... AF-1402-0030
3OZR0123-3 ..... AF-1402-0057
3OZR0124-2 ..... AF-1402-0058
3OZR0124-3 ..... AF-1402-0018
3OZR0678-1 ..... AF-1402-0010
3OZR0678-2 ..... AF-1402-0064
3OZR0902 ..... AF-1406-0037
3OZR1945 ..... AF-0802-0009
3OZR2524-4 ..... AF-1304-0009
3OZR2895G AF-1115-0003
3OZR3024D AF-1402-0018
3OZR3061 ..... AF-1402-0031
3OZR4344 ..... AF-1408-0006
3OZR5135 ..... AF-1402-0003
3OZR5135B AF-1402-0003
3OZR5141-1 ..... AF-1402-0004
3OZR5[illegible] AF-1402-0051
3OZR5144-1 ..... AF-1402-0032
3OZR5144-2 ..... AF-1402-0034
3OZR6411 ..... AF-1405-0040
3OZR6531-2 ..... AF-1408-0037
3OZR6531 ..... AF-1405-0014
3OZR6531-1 ..... AF-1405-0032
3OZR6531-2 ..... AF-1408-0052
3OZR6531-3 ..... AF-1405-0016
3OZR6531-4 ..... AF-1405-0036
3OZR6534-1 ..... AF-1405-0029
3OZR6784 ..... AF-1402-0042
3OZR6784-1 ..... AF-1402-0041
3OZR6854 ..... AF-1402-0039
3OZR6854-1 ..... AF-1402-0053
3OZR6855-1 ..... AF-1402-0053
3OZR8041-2 ..... AF-1709-0016
3OZR8045-5 ..... AF-1601-0042
3OZR9711-3 ..... AF-0703-0006
3OZR9736 ..... AF-0703-0005

30450 ..... AF-1715-0208
30454 ..... AF-1715-0227
30474 ..... AF-1715-0465

30554 ..... AF-1715-0440

30652 ..... AF-1715-0450

30750 ..... AF-1715-0390

32851 ..... AF-1715-0467
32853 ..... AF-1715-0466
32854 ..... AF-1715-0442
32870 ..... AF-1715-0116

4ALT29530-1 ..... AF-1402-0020

4AST56350-1 ..... AF-1732-0002

4M-F1/412-F2 ..... DD-1601-0014
4M-F2 ..... DD-1601-0007
4M-701 ..... DD-1601-0007
4M-702 ..... DD-1601-0017
4M-703 ..... DD-1601-0012
4M-710 ..... DD-1601-0003
DD-1601-0014
4M-7915 ..... DD-1601-0007

4OZF0123-4 ..... AF-1402-0009

411-200 ..... DD-1601-0011
411-201 ..... DD-1713-0002
411-202 ..... DD-1713-0001
411-203 ..... DD-1601-0009
411-204 ..... DD-1601-0001
411-205 ..... DD-1601-0005
411-207 ..... DD-1601-0015
411-241 ..... DD-1601-0016
411-81C30 ..... DD-1601-0009

412-101 ..... DD-1601-0002
DD-1601-0010
412-102 ..... DD-1601-0006
412-110 ..... DD-1601-0008
412-82B10 ..... DD-1601-0008
412-82B20 ..... DD-1601-0008
412-82D20 ..... DD-1601-0002
412-82E20 ..... DD-1601-0006

413-210 ..... DD-1713-0004
413-81B20 ..... DD-1713-0001
DD-1713-0004

421-8280 ..... DD-1406-0001
42153 ..... AF-1704-0187
42173 ..... AF-1704-0192

42350 ..... AF-1714-0003
42353 ..... AF-1704-0191

42652 ..... AF-1704-0137
42653 ..... AF-1704-0172
42672 ..... AF-1704-0189

431XE-1 ..... AF-1606-0037
431XE-2 ..... AF-1606-0037
431XF-1 ..... AF-1606-0037
431XF-2 ..... AF-1606-0037
43151 ..... AF-1704-0102
43152C AF-1704-0181
43152E AF-1704-0188
43152G AF-1704-0184
43171 ..... AF-1704-0162
43172 ..... AF-1704-0190

435 ..... AF-1115-0002

47252 ..... AF-1703-0018

475 ..... AF-1408-0058

491-101 ..... DD-1601-0004
491-401 ..... DD-1601-0018
491-81Q20 ..... DD-1601-0004

5-N-V6A-A AF-1606-0145

5AAA79170 (USAF) DD-0504-0002
5AAY91170 ..... AF-0709-0022

5ABD22230 ..... DD-1601-0002
5ABD22231 ..... DD-1601-0006
5ABY90130 ..... AF-0709-0024
5ABY90730 ..... AF-0707-0008
5ABY90830 ..... AF-0102-0003
5ABY91130 ..... AF-0709-0016

5AIK75100 ..... AF-1406-0023

5ALA-79131 (USAF) DD-0505-0001
5ALA79131 ..... DD-0505-0001
5ALO82130 ..... AF-1728-0020
5ALO90431 ..... AF-0702-0006
5ALY90831 ..... AF-0102-0001

5AZA79150 ..... DD-0504-0003
5AZO90450 ..... AF-0702-0007
5AZY902X0 ..... AF-0709-0011
5AZY90470 ..... AF-0702-0004
5AZY907X0-1 ..... AF-0707-0007
5AZY907X0-2 ..... AF-0707-0006
5AZY90850 ..... AF-0102-0002

5OBA7921-002(USAF) DD-0504-0009
5OBO5724 ..... AF-1601-0024
5OBO8221 ..... AF-1728-0020
5OBY9161 ..... AF-0709-0017

5OLY9761 ..... AF-0703-0008

5OZD5724 ..... DD-1601-0007
5OZO9776 ..... AF-0703-0002
5OZY9300-7 ..... AF-0799-0007
5OZY9336 ..... AF-0799-0001

50AY9746 ..... AF-0703-0013

50BA7921-1 ..... DD-0504-0009
50BA7921-1 (USAF) DD-0504-0009

51-B-V7B-A AF-1606-0090
51-B-V7C-A AF-1715-0529
51-F-V5H-B AF-1606-0132
51-F-V5H-E AF-1606-0146

BEST COPY AVAILABLE

51-124101-1 ..... AF-1606-0030
51-152110A-1 ..... AF-1606-0031
51-153101-1 ..... AF-1606-0034
51-153102-1 ..... AF-1606-0033
51-153123 ..... AF-1606-0033
51-33 ..... AF-1406-0039
51-935000 ..... AF-1606-0127

51E-V7A-R AF-1606-0080

51150 ..... AF-1402-0017
51151 ..... AF-1402-0065
51170 ..... AF-1402-0068
51171 ..... AF-1402-0012

5220.7 ..... DD-1728-0002
5220-2 ..... DD-1728-0001

53153 ..... AF-1704-0054

54230 ..... AF-1714-0023

550 ..... AF-1405-0001

570 ..... AF-1408-0060
570 (USMC) DD-0505-0001
570-ASIJ8 ..... DD-1709-0001
570-F1 ..... DD-0504-0002
570-F2 ..... DD-0504-0003
570-F3 ..... DD-0505-0003
570-F4 ..... DD-0505-0002
570-71Q20 ..... DD-0504-0001
DD-0505-0001
570-71R10 ..... DD-0505-0001
570-71R10 (USA) DD-0505-0001
570-71R20 ..... DD-0505-0001

571XC-1 ..... AF-1606-0129

580 ..... AF-1405-0007

60330 ..... AF-0419-0026
60370 ..... AF-0419-0023

60550 ..... AF-0419-0021
60551 ..... AF-0419-0004

61130 ..... AF-1729-0013
61150 ..... AF-1729-0014

62230 ..... AF-1729-0010
62250 ..... AF-1729-0011
62270 ..... AF-1729-0012

63150 ..... AF-1703-0019

64531 ..... AF-1405-0018
64550 ..... AF-1405-0051
64551 ..... AF-1405-0013
64570 ..... AF-1405-0059
64571 ..... AF-1405-0033

670-41B10 ..... DD-1719-0002
670-41B20 ..... DD-1721-0001
670-601 ..... DD-1721-0001

67251 ..... AF-1408-0053
67252 ..... AF-1408-0021
67273 ..... AF-1408-0038

690-41K20 ..... DD-1706-0002
690-620 ..... DD-1706-0002
690-621 ..... DD-1706-0001

7G(USMC) DD-0504-0009

7G-F3 (RC) DD-0504-0011
7G-0011 (USN) DD-0505-0002
7G-46A DD-0504-0009
7G-46A(USCG) DD-0504-0009
7G-46B DD-0505-0002
7G-5505 ..... DD-0504-0009
7G-5522(USA) DD-0505-0002

7G05505 ..... DD-0504-0009

70250A AF-1403-0002
70250B AF-1403-0003
70250C AF-1403-0004

710 (4M-710)(USMC) DD-1601-0014

73250 ..... AF-1406-0044

73270 ..... AF-1406-0043

740-301 ..... DD-1719-0003
740-302 ..... DD-1719-0001
740-303 ..... DD-1719-0002
740-304 ..... DD-1719-0004
740-306 ..... DD-1601-0013
740-309 ..... DD-1719-0005
740-83D20 ..... DD-1719-0001
DD-1719-0003
740-83E10 ..... DD-1601-0013
740-83F20 ..... DD-1719-0002

753100 ..... AF-1406-0039
753101-N AF-1406-0039

8B-F1(JT) DD-0419-0001
8B-F16(JT) DD-0419-0006
8B-F2(JT) DD-0419-0002
8B-F26(JT) DD-0419-0005
8B-F7(JT) DD-0419-0003

81150 ..... AF-1728-0002
81152 ..... AF-1728-0009
81170 ..... AF-1728-0003
81172 ..... AF-1728-0010

822-F1(JT) DD-0419-0001
822-F13(JT) DD-0419-0004
822-F2(JT) DD-0419-0002
822-F7(JT) DD-0419-0003

83170 ..... AF-1408-0015

90250 ..... AF-0703-0012
90270 ..... AF-0703-0011

90630 ..... AF-0709-0028
90650 ..... AF-0709-0027

923X0-5 ..... AF-1606-0130
92330 ..... AF-0709-0026

96170 ..... AF-1728-0001

98150 ..... AF-0701-0002

BEST COPY AVAILABLE

REQUEST FOR COURSE RECOMMENDATION

The applicant for credit must fill out one form for *each* service school course completed. The institutional official is responsible for verifying from official military records that the student completed the entire course, and for submitting the form to the Office on Educational Credit and Credentials, American Council on Education, One Dupont Circle, Washington, DC 20036–1193, ATTN: Military Evaluations.

Please Print.

1. *Exact* course title (*do not abbreviate*) _____

2. Service branch offering the course:
   - ☐ Air Force
   - ☐ Army
   - ☐ Coast Guard
   - ☐ Department of Defense
   - ☐ Marine Corps
   - ☐ Navy

3. Name of service school attended: _____

4. Location (installation, state): _____

5. Length of course (in weeks): _____

6. Dates of attendance: From: _____ (day/month/year) To: _____ (day/month/year)

7. Official military course number: _____

8. MOS/AFSC/rating: _____

9. Course was designed for:
   - ☐ Warrant Officers
   - ☐ Officer Candidates
   - ☐ Commissioned Officers
   - ☐ Enlisted Personnel
   - ☐ Aviation Cadets
   - ☐ Noncommissioned Officers

10. Rank or rating upon completion of the course: _____

11. Please give some indication of subjects studied in course; list component courses, if applicable, by name and number:

_____

_____

_____
NAME OF STUDENT

_____
STATUS (FRESHMAN, SOPHOMORE, ETC.)

DO NOT WRITE IN THIS SPACE
OECC STAFF USE

_____
SIGNATURE OF COLLEGE OFFICIAL

_____
NAME OF COLLEGE OFFICIAL

_____
TITLE

_____
INSTITUTION

_____
STREET

_____
CITY STATE ZIP CODE

_____
AREA CODE NUMBER EXT.

☆U.S. GOVERNMENT PRINTING OFFICE: 1986–164-631

BEST COPY AVAILABLE